# Washington Economic and Revenue Forecast



November 1995 Volume XVIII, No. 4

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### Explanation of the Cover Graph

The decline of Washington's aircraft manufacturing industry over the last several years is well documented. From December 1989 to June 1995, aircraft manufacturing employment was cut 28,800 or 27 percent. Less appreciated is the explosion of the prepackaged software industry in Washington State. During this same period, software employment grew 11,900. From a base of only 5,700 in December of 1989, this represents a remarkable 209 percent increase in just five and one-half years. The gain in software employment offset 41 percent of the aircraft manufacturing employment decline. The impact on the region's income is even more startling, however. At \$49,400 in 1994, the average annual wage in aircraft manufacturing is among the state's highest, but it pales in comparison to the \$92,000 average wage in software. Evaluated at the 1994 average wage rate, the lower aircraft manufacturing employment costs the local economy \$1,421 billion per year but the higher software employment adds \$1,091 billion. In other words, the growth in software offset 77 percent of the wage loss associated with the aircraft manufacturing cuts, softening the impact on the state's economy.

## **Washington Economic and Revenue Forecast**

Prepared by the Office of the Forecast Council

November 1995 Volume XVIII, No. 4

### **Preface**

The Office of the Forecast Council is required by Chapter 231, Section 34, Laws of 1992 (RCW 82.33.020) to prepare a quarterly state economic and revenue forecast and submit it to the Forecast Council. This report presents the state's economic and General Fund-State revenue forecast. It is issued four times a year.

Copies are available to Washington State businesses and residents for \$4.50 per copy, and to those out-of-state for \$9.00 per copy. You may contact our office for more subscription information at (360) 586-6785 or by writing the Office of the Forecast Council, Post Office Box 40912, Olympia, WA. 98504-0912.

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## Washington State and U.S. Economic Forecasts

#### **Recent U.S. Economic Activity**

This forecast was produced prior to the advance GDP estimate for the third quarter of 1995. According to the advance estimate, real GDP growth accelerated to 4.2 percent in the third quarter of 1995 from 1.3 percent in the second quarter. The forecast had expected GDP growth of only 2.2 percent. Two-thirds of the forecast error in the third quarter was the result of much stronger than anticipated inventory accumulation. While the forecast expected the growth of inventories to slow from \$34.3 billion in the second quarter to \$17.1 billion in the third quarter, it actually increased slightly to \$35.3 billion. The forecast for final sales in the third quarter was much closer to the mark, growing 4.2 percent compared to 3.5 percent in the forecast. Consumer spending was up 2.9 percent in the third quarter compared to an expected increase of 3.3 percent. Purchases of durable goods surged 11.7 percent but nondurable goods spending was up only 0.1 percent. Consumer spending on services rose 2.2 percent in the quarter. Fixed investment was a strong positive in the third quarter, though, up 8.9 percent compared to an expected increase of 5.6 percent. After two quarters of decline, residential investment jumped 10.9 percent in the third quarter. Business fixed investment was also strong in the quarter, rising 8.3 percent. Purchases of producers' durable equipment surged 9.7 percent in the quarter while nonresidential construction rose 3.5 percent. As expected, the foreign sector was roughly neutral in the third quarter as a 10.6 percent increase in exports slightly outweighed an 8.6 percent increase in imports. A positive contribution to GDP growth from government purchases of goods and services was also expected in the forecast. Federal government purchases rose 4.9 percent in the third quarter. Military spending increased only 2.1 percent in the quarter but other

federal government purchases climbed at a 10.2 percent rate. State and local governments increased their purchases of goods and services by 2.1 percent in the quarter.

The advance GDP estimate for the third quarter indicates a growth rate well above the long-term potential of the economy. This would be cause for concern were it not for the fact that most of the error was in inventory accumulation. The postponement of the inventory correction is likely to mean slower growth in the future. Having apparently achieved a "soft landing" in 1995, the Federal Reserve reversed course on July 6, cutting the federal funds rate to 5.75 percent. While no further rate cuts are expected this year, the fed funds rate is expected to decline to 5.25 in the first half of 1996. The forecast expects strong growth in nonresidential building and exports in 1996 and healthy growth in consumption spending. Growth of producer's durable equipment is expected to slow from the double-digit pace of recent years to more moderate, but still positive, rates of growth. The federal government will continue to contract, however. The forecast calls for real GDP to slow from 4.1 percent in 1994 to 3.0 percent in 1995 and 2.4 percent in 1996. Growth is expected to accelerate to 2.6 percent in 1997, however. Inflation is expected to remain subdued throughout the forecast. The implicit price deflator for personal consumption expenditures, which rose only 2.1 percent in 1994, is expected to increase 2.3 percent in 1995 and 1996, and 2.5 percent in 1997.

#### **U.S. Forecast Highlights**

1. Real GDP growth accelerated to 3.9 percent in fiscal 1995 from a strong 3.5 percent in 1994. Though the quarterly data indicate a slowdown is already under way, the forecast does not expect a recession. Growth is ex-

- pected to slow to 2.3 percent in fiscal 1996 before recovering to 2.6 percent in 1997.
- 2. Inflation, as measured by the implicit price deflator for personal consumption expenditures, accelerated slightly in fiscal 1995 to 2.4 percent from a 29 year low 2.1 percent in 1994. Slower real growth during 1995 should be sufficient to prevent a serious acceleration of inflation through the forecast horizon. The inflation rate is expected to dip to 2.1 percent in 1996 rising to 2.5 percent in 1997.
- 3. With growth slowing in 1995 but remaining positive, the economy appears to have achieved the desired "soft landing." The Federal Reserve, which lowered the federal funds rate from 6.00 percent to 5.75 percent in July, will wait until next year before making its next rate cut. The Federal funds rate is expected to drop to 5.25 percent in early 1996 and remain at that level throughout the forecast. The three month Treasury Bill will follow suit, declining to just under 5.00 percent in early 1996. The mortgage rate, which peaked at 9.10 percent in the fourth quarter of 1994, is expected to continue to decline through the first quarter of 1996. Long-term rates are expected to hover at about 7.50 percent through the rest of the forecast.
- 4. Housing starts declined 16.3 percent in the first half of 1995 from a cyclical peak of 1.511 million units in the fourth quarter of 1994 to 1.265 million units in the second quarter of 1995. Lower mortgage interest rates prompted a modest rebound in the third quarter with starts recovering to 1.391 million units. Rising mortgage interest rates and declining consumer confidence are expected to result in declining housing starts throughout 1996, however.

- 5. Despite the slowdown in real growth in 1995, the unemployment rate has remained low. The third quarter rate of 5.63 percent was only one-tenth of a percent higher than the cyclical low 5.53 percent reached in the first quarter of 1995. The forecast expects continued moderate real growth to result in a gradually increasing unemployment rate. The unemployment rate is expected to edge back towards the 6.00 rate consistent with stable inflation in 1996 and 1997.
- 6. Thanks to strong growth, discretionary spending cuts, and the 1993 tax increases, the federal budget deficit continued to drop in fiscal 1995 to \$148.3 billion from \$191.6 billion in 1994 and \$271.6 billion in 1993. Regardless of the outcome of the budget negotiations, sluggish economic growth is expected to push the deficit up to \$159.8 billion in fiscal 1996. Continued fiscal restraint and stronger growth cause the deficit to dip to \$149.5 billion in 1997, however.
- 7. The trade deficit (national income and product accounts basis) will continue to worsen in fiscal 1996 to \$124.3 billion from \$111.1 billion in 1995. The near-term outlook for the United States' three largest trading partners Canada, Japan, and Mexico is poor while import growth remains strong. The trade gap is expected to shrink to \$115.5 billion in 1997, though.

Table 1.2 provides a fiscal year summary of the U.S. economic indicators.

#### **Recent Economic Activity in Washington**

The Employment Security Department has released preliminary employment estimates through September 1995. This forecast is based on adjusted employment estimates through September 1995 as described in **Adjustments to Economic Data**. The adjusted employment estimates indicate that total nonfarm employment growth in-

creased sharply in the third quarter to 2.9 percent from a revised 0.1 percent in the second quarter. The second quarter estimate was based on very preliminary and largely unedited employment and payrolls data, however, and is subject to larger than normal revisions. The fact that employment declined sharply in April, the first month of the quarter, suggests that the entire second quarter and all subsequent estimates may eventually be revised up. Even with the weak second quarter growth, however, Washington's year-over-year employment growth in the third quarter of 2.4 percent continued to exceed the national average growth rate of 2.0 percent. Manufacturing employment fell 5,800 in the third quarter, which represents a 6.6 percent rate of decline. Durable goods manufacturing employment fell 4,900, an 8.3 percent reduction from the first quarter. A 6,000 reduction in aerospace employment more than accounted for the declines in both durable manufacturing and total manufacturing employment. Most of the aerospace cuts were early retirement s rather than layoffs, however. Employment in nonelectrical machinery was up 500 in the third quarter while electrical machinery employment increased 400. Nondurable manufacturing employment was also down in the third quarter, falling 800 for an average annual rate of 3.0 percent. Food and kindred products accounted for the entire decline in nondurable manufacturing. In contrast to the manufacturing decline in the third quarter, nonmanufacturing was up 22,700 in the quarter for an average annual growth rate of 4.6 percent. Nearly half the nonmanufacturing growth was in services which rose 11,100 for a 7.3 percent increase. Trade employment was also strong in the quarter, up 6,700 or 4.7 percent.

Since the September 1995 forecast, the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) has revised its quarterly state personal income estimates through the first quarter of 1995 and released preliminary estimates for the second quarter. In addition, the wage estimates for the first two quarters of 1995 have been adjusted to reflect Covered Employment and Pay-

rolls data produced by the Employment Security Department (see **Adjustments to Economic Data**.) The first quarter personal income estimate of \$126.921 billion represents a reduction of \$0.663 billion (0.5 percent) from the September forecast. The estimate for wage and salary disbursements in the second quarter was \$0.450 billion (0.6 percent) lower than the September forecast assumed. The nonwage personal income estimate was \$213 billion (0.4 percent) lower than expected in September. Proprietor's income was \$241 million lower than expected in September and transfer payments were \$308 million lower but dividends, interest, and rent were \$173 million higher.

The number of housing units authorized by building permits fell to 34,500 in the third quarter of 1995 from 41,800 in the second quarter. The third quarter was the weakest for housing permits since 1991. Nearly all the decline was in the volatile multi-family component which plummeted from 15,000 in the second quarter to 8,500 in the third quarter. Single family permits held up better in the third quarter, dropping to 26,000 from 26,800 in the previous quarter.

#### **Adjustments to Economic Data**

Analysis of the preliminary covered employment and payrolls data for the second quarter of 1995 indicates that the BEA's preliminary personal income estimate for wage and salary disbursements is too low. Since the BEA will eventually benchmark its wage and salary estimates to the covered employment and payrolls data for all sectors except agriculture and the federal government, wage and salary disbursements for these industries have been adjusted up a total of \$431 million in the second quarter. Unadjusted BEA estimates were used for farm, federal civilian, and military wages as well as all nonwage components of personal income.

This forecast utilizes alternative employment estimates which incorporate covered employment

and payrolls data through the second quarter of 1995. In addition, the employment estimates for the third quarter of 1994 through the second quarter of 1995 have been adjusted up by 2,900 to reflect the average historical revision to the covered employment and payrolls data. Finally, the employment pattern from June 1995 to September 1995 has been adjusted to reflect the average revision between the growth in the preliminary, sample based employment estimates and the final, covered employment and payrolls based estimates during these months. Analysis of past revisions to the current employment statistics indicates that the current employment statistics understate employment growth in the June to September period at an average annual rate of 2.2 percent. This forecast assumes an average revision to the CES data on an industry by industry basis for each month since June. Thus, rather than increasing at a 0.5 percent average annual rate during this period, this forecast assumes employment has been increasing at a 2.7 percent rate.

#### **Washington State Forecast Highlights**

The Boeing employment cutbacks are assumed to be over for 1995. Washington aerospace employ-

ment is expected to decline 2,000 during 1996, however. The Department of Energy recently announced layoff notices affecting 300 Hanford employees. The latest announcement brings the 1995 reductions to 4,500. The forecast assumes reductions of another 2,000 Hanford employees during 1996. The electrical machinery employment forecast incorporates Intel's announcement that it will build a plant at DuPont. The Intel plant is assumed to increase employment in this sector by 2,000 during 1996 and 1997.

The forecast assumes that the strike by 22,500 Boeing machinists will last 45 days. If so, the striking machinists will not be counted as employed in October or November but will be counted in December. The strike is expected to result in the loss of \$154 million in wages during the fourth quarter of 1995. Aside from the direct impact on aerospace employment and wages, the economic impact is expected to be minimal. The strike does distort the data for 1995 and 1996, however, as is illustrated in table 1.1.

1. Real personal income growth increased to 3.1 percent in fiscal 1995 from 2.0 percent in 1994. Stronger employment growth and

TABLE 1.1				
Boeing Strike Impact				
	1995:4	1996:1	1995	1996
Aerospace Employment, % Ch				
November Forecast	(56.4)	120.8	(11.7)	(1.4)
Without the Strike	(1.2)	(2.4)	(7.6)	(5.8)
Difference	(55.1)	123.2	(4.1)	4.4
Manufacturing Employment, % Ch				
November Forecast	(16.0)	20.4	(1.0)	0.4
Without the Strike	0.9	0.2	0.1	(0.7)
Difference	(16.9)	20.2	(1.1)	1.1
Total Nonfarm Employment				
November Forecast	0.4	5.1	2.4	2.7
Without the Strike	3.0	2.5	2.6	2.5
Difference	(2.6)	2.6	(0.2)	0.2
Total Personal Income, % Ch				
November Forecast	3.4	7.2	6.0	5.6
Without the Strike	5.4	5.1	6.1	5.4
Difference	(2.0)	2.0	(0.1)	0.1

higher interest rates were largely responsible for the improvement. Real income growth is expected to increase again in 1996 to 3.6 percent before slowing to 2.9 percent in fiscal 1997.

- 2. Nominal personal income growth also increased in fiscal 1995 to 5.6 percent from 4.2 percent the previous year as a result of stronger real growth and an increase in inflation. Personal income growth should increase only slightly in 1996 as strong real growth is offset by a drop in inflation. The forecast expects income growth of 5.8 percent in 1996 and 5.5 percent in 1997.
- 3. Washington wage and salary employment surged 2.8 percent in fiscal 1995, the strongest showing since 1990. Despite continued cutbacks in aerospace, manufacturing employment posted a 0.6 percent gain for the first increase in this sector since 1990. Employment growth is expected to decelerate as the U.S. economy slows. The forecast calls for employment growth of 2.2 percent in 1996 rebounding to 2.8 percent in 1997.
  - Lumber and wood products employment was unchanged in the third quarter of 1995 at 35,800. Employment in this sector has shown little change since 1991. Employment remains 6,700 lower than the cyclical peak in the fourth quarter of 1988. Timber supply constraints have reduced Washington's share of the nation's wood products employment. Little change is expected in lumber and wood products employment through the remainder of the forecast. By the end of 1997 employment is expected to have declined 300 to 35,600.
  - Aerospace employment plummeted 6,000 in the third quarter of 1995 to 81,500 as the bulk of the early retirements took effect. Washington aero-

- space employment has declined 36,400 since a peak of 117,900 in the first quarter of 1990. Because the striking machinists are not counted as employed, the forecast assumes reduction of 15,300 in the fourth quarter. Excluding the impact of the strike, however, the fourth quarter drop shrinks to 300. The forecast anticipates a decline 0f 2,000 in 1996 bringing the total reduction to 38,700 since the peak in the first quarter of 1990. Aerospace employment is expected to be flat in 1997.
- Construction employment increased 1,700 in the third quarter of 1995 to 124,500. While the construction boom of the late 1980's ended in mid 1990, employment has continued to growth over the last five years at an average rate of 1.0 percent per year. Only modest construction employment growth is expected in the forecast, however, due to slower population growth and weaker housing activity. Construction employment is expected to increase 400 in the fourth quarter of 1995 and another 2,400 in 1996 and 1997.
- Employment growth in the finance, insurance, and real estate sector turned positive in the third quarter of 1995, edging up at a 0.3 percent annual rate. Employment in this sector fell 3.4 percent during the previous five quarters following a 5.8 percent increase in the year before that. The swing in employment was concentrated in finance, a result of the surge and unwinding of the refinancing boom that resulted from the low interest rates of late 1993 and early 1994. Employment in this sector is expected to grow at an average annual rate of 1.4 percent through 1997.

- Retail trade employment increased at a 4.1 percent rate in the third quarter of 1995 following a 1.8 percent decline in the second quarter. Employment growth is expected to continue at 4.1 percent in the fourth quarter of 1995 slowing to an average rate of 3.2 percent in 1996 and 1997.
- Employment in the services sector continued to show strong growth, increasing at a 7.3 percent annual rate in the third quarter of 1995. Department of Energy reductions related to the Hanford cleanup effort are expected to result in the loss of 6,500 jobs during 1995 and 1996. With over 600,000 employed in the services sector, however, the Hanford reductions will shave about a half of one percent from the annual growth rate during this period. Services employment is expected to grow at an annual rate of 5.2 percent in the fourth quarter of 1995 and at a 4.3 percent during the final two years of the forecast.
- State and local government employment growth slowed to 2.8 percent in the third quarter of 1995 from 4.5 percent in the second. Growth is expected to slow further to 2.5 percent in the fourth quarter. Moderate population growth and fiscal restraint are expected to hold growth to an annual average rate of 3.1 percent in 1996 and 1997.
- 4. The number of housing units authorized by building permit declined 5.5 percent in fiscal 1995 to 42,100 from a cyclical peak of 44,500 in 1994. In spite of lower mortgage interest rates, slower population growth is expected to hold permits to 36,200 in 1996 and 38,500 in 1997.
- 5. Inflation in the Seattle metropolitan area, as measured by the consumer price index for

all urban consumers, increased to 3.5 percent in fiscal 1995 from 2.9 percent in 1994. Despite the uptick, the local inflation rate remains well below the cyclical high of 7.6 percent in 1991, though somewhat higher than the U.S. rate of 2.9 percent. As in the U.S. forecast, inflation is expected to remain moderate in the Seattle area. The Seattle CPI is expected to rise 2.6 percent in fiscal 1996 and 2.9 percent in 1997.

Table 1.3 provides a fiscal year summary of the state economic indicators.

#### **Alternative Forecasts**

As required by statute, two alternatives to the baseline forecast have also been adopted by the Forecast Council. One of these was based on more optimistic economic assumptions than the baseline and one was based on more pessimistic assumptions. These alternatives are summarized in Table 1.4.

The optimistic scenario assumes that a higher level consumer confidence and a continuation of the investment boom of the last four years spurs growth in late 1995 and 1996 while inflation remains moderate. The economy has the potential for stronger real growth without higher inflation due to the assumption of a higher rate of productivity growth and a lower full-employment unemployment rate than in the baseline. Because potential GDP growth is higher than in the baseline and inflation remains under control, the Fed's stance remains relatively accommodative. These adjustments were supplemented at the state level with higher personal income, a rebound in aerospace employment, and higher wage and price growth in Washington. Population growth, housing activity, and construction employment were also enhanced in the optimistic alternative. By the end of the 1995-97 biennium, Washington nonagricultural employment is 68,200 higher than in the baseline forecast and Washington personal income is \$6.7 billion higher. The optimistic scenario generated \$729 million (4.1 percent) more General Fund-State Revenue in the 1995-97 biennium than did the baseline forecast.

In the pessimistic alternative forecast, the combination of high consumer debt and a stock market correction in the fourth quarter leads to a sharp decline in consumer confidence. In addition, the inventory correction is much more severe than expected in the baseline forecast. In this "hard landing" scenario, real GDP declines 0.9 percent from the peak in the third quarter of 1995 to the trough in the second quarter of 1996. Locally, the aerospace industry cuts employment even more sharply than in the baseline forecast, Washington wages and prices are weaker, and Washington personal income is lower. Population growth is lower in this scenario as are housing permits and construction employment growth. At the end of the 1995-97 biennium, Washington nonagricultural employment is 83,000 lower than in the baseline forecast and Washington personal income is \$8.2 billion lower. The pessimistic scenario produced \$864 million (4.9 percent) less revenue in 1995-97 than did the baseline forecast.

#### Governor's Council of Economic Advisors Scenario

In addition to the optimistic and pessimistic forecasts, the staff has prepared a forecast based on the opinions of the Governor's Council of Economic Advisors (GCEA) as summarized in Table 1.4. In the GCEA scenario, the U.S. and state forecasts were adjusted to match the average view of the Council members. The differences between the Governor's Council scenario and the baseline were trivial. The GCEA forecast for the U.S. expected slightly higher real growth in fiscal 1996 and slightly higher inflation in both years than did the baseline forecast. The GCEA forecast for short-term and long-term interest rates was also slightly higher in fiscal 1997. At the state level, the Governer's Council members expected slightly weaker real personal income growth in both years but the same nominal personal income

growth due to the higher inflation assumption. The GCEA employment growth forecast was higher than the baseline in 1996, but lower in 1997. The Governor's Council also expected slightly more housing units authorized by building permit in 1996 than did the baseline but fewer in 1997. At the end of the 1995-97 biennium, Washington nonagricultural employment is 4,700 lower in the GCEA scenario than in the baseline forecast but Washington personal income is \$0.1 billion higher. The Governor's Council scenario generated just \$8 million (0.0 percent) more General Fund-State revenue in the 1995-97 biennium than did the baseline forecast.

TABLE 1.2						FIS	CAL Y	EARS
<b>U.S. Economic Forecast Summary</b> Forecast 1996 to 1997								
	1990	1991	1992	1993	1994	1995	1996	1997
Real National In	ncome Ac	counts (I	Billions o	f 1987 D	ollars)			
Real Gross Domestic Product	4877.8	4870.9	4906.7	5058.0	5233.2	5439.7	5564.7	5710.2
% Ch	1.8	-0.1	0.7	3.1	3.5	3.9	2.3	2.6
Real Consumption	3253.3	3264.2	3293.0	3404.4	3520.7	3633.1	3745.6	3850.9
% Ch	1.8	0.3	0.9	3.4	3.4	3.2	3.1	2.8
Real Nonresidential Fixed Investment	543.3	533.0	513.2	553.4	631.7	723.9	788.0	816.8
% Ch Real Residential Fixed Investment	0.8 208.0	-1.9 173.7	-3.7 183.0	7.8 205.3	14.2 224.8	14.6 228.1	8.9 227.9	3.7 224.9
% Ch	-6.1	-16.5	5.4	12.2	9.5	1.5	-0.1	-1.3
Real Personal Income	4043.5	4056.7	4097.8	4214.6	4323.0	4499.5	4634.1	4740.1
% Ch	1.9	0.3	1.0	2.8	2.6	4.1	3.0	2.3
Real Per Capita Income (\$/Person)	16,243	16,121	16,107	16,392	16,643	17,153	17,498	17,733
% Ch	0.9	-0.8	-0.1	1.8	1.5	3.1	2.0	1.3
	Price and	_	ndexes					
U.S. Implicit Price Deflator (1987=1.0)	1.119	1.177	1.216	1.252	1.278	1.309	1.336	1.370
% Ch	4.7	5.2	3.3	2.9	2.1	2.4	2.1	2.5
U.S. Consumer Price Index (1982-84=1.0) % Ch	1.270 4.8	1.340 5.5	1.383	1.426 3.1	1.463 2.6	1.505 2.9	1.548 2.8	1.594 3.0
Employment Cost Index (June 1989=1.0)	1.027	1.068	1.105	1.134	1.169	1.203	1.241	1.281
% Ch	4.3	4.0	3.4	2.6	3.1	2.9	3.2	3.2
Current Dolla								
Gross Domestic Product	5406.6	5631.1	5856.2	6187.2	6525.5	6924.1	7219.3	7569.0
% Ch	6.2	4.2	4.0	5.7	5.5	6.1	4.3	4.8
Personal Income	4523.2	4774.7	4984.4	5275.8	5524.1	5890.3	6193.3	6496.1
% Ch	6.7	5.6	4.4	5.8	4.7	6.6	5.1	4.9
	Employ	nent (Mi	illions)					
U.S. Civilian Labor Force	124.5	125.1	126.0	127.5	129.6	131.8	133.4	135.7
Total U.S. Employment	117.9	117.3	117.1	118.3	121.1	124.3	125.8	127.8
Unemployment Rate (%)	5.28	6.21	7.12	7.19	6.52	5.69	5.66	5.80
Wage and Salary Employment	108.89	108.85	108.22	109.48	112.29	115.56	117.66	119.80
% Ch	2.0	-0.0	-0.6	1.2	2.6	2.9	1.8	1.8
Manufacturing	19.26	18.72	18.23	18.08	18.15	18.44	18.28	18.14
% Ch	-0.8	-2.8 10.83	-2.6	-0.8	0.4	1.6 10.56	-0.9	-0.7
Durable Manufacturing % Ch	11.26 -1.5	-3.9	10.40 -4.0	10.24 -1.6	10.29 0.5	2.6	10.52 -0.4	10.35 -1.6
Nondurable Manufacturing	8.00	7.89	7.83	7.85	7.86	7.88	7.76	7.80
% Ch	0.3	-1.3	-0.8	0.2	0.1	0.3	-1.5	0.4
Nonmanufacturing	89.63	90.13	89.99	91.40	94.14	97.13	99.38	101.65
% Ch	2.6	0.6	-0.2	1.6	3.0	3.2	2.3	2.3
Services	27.49	28.14	28.63	29.60	30.80	32.19	33.43	34.67
% Ch	4.7	2.4	1.8	3.4	4.1	4.5	3.9	3.7
	Miscellan							
Auto Sales (Millions)	9.7	8.8	8.4	8.5	9.1	9.0	8.9	9.0
% Ch Housing Starts (Millions)	-5.7 1.220	-9.0	-4.9	1.0	6.8	-0.9	-0.6	0.9
% Ch	1.330 -9.5	1.020 -23.3	1.131 10.8	1.204 6.5	1.396 15.9	1.393	1.363 -2.2	1.255 -7.9
Federal Budget Surplus (Billions)	-147.0	-171.9	-256.0	-271.6	-191.6	-148.3	-159.8	-149.5
Net Exports (Billions)	-72.2	-48.7	-19.0	-48.2	-83.1	-111.1	-124.3	-115.5
3-Month Treasury Bill Rate (%)	7.75 8.29	6.51	4.37	3.02	3.32	5.27	5.12	4.88
30-Year U.S. Govt. Bond Rate (%) Mortgage Rate (%)	8.29 10.07	8.46 9.77	7.93 8.84	7.23 7.85	6.59 7.47	7.54 8.60	6.50 7.58	6.38 7.56
Tronguge rule (70)	10.07	2.11	0.0	7.05	/ . <del></del> /	0.00	1.50	7.50

TABLE 1.3						FIS	SCAL Y	EARS
Washington Economic Forecast S Forecast 1996 to 1997	lummary							
	1990	1991	1992	1993	1994	1995	1996	1997
Rea	l Income (Bi	illions of	1987 Da	llars)				
Real Personal Income	80.737	83.160	86.292	90.110	91.956	94.787	98.188	101.046
% Ch	6.2	3.0	3.8	4.4	2.0	3.1	3.6	2.9
Real Wage and Salary Disb.	46.104	47.633	49.440	51.335	51.722	53.083	55.051	56.767
% Ch	5.8	3.3	3.8	3.8	0.8	2.6	3.7	3.1
Real Nonwage Income	34.633	35.527	36.852	38.775	40.234	41.704	43.137	44.279
% Ch Real Per Capita Income (\$/Person)	6.7 16,649	2.6 16,690	3.7 16,911	5.2 17,251	3.8 17,276	3.7 17,498	3.4 17,856	2.6 18,069
% Ch	3.3	0.2	1.3	2.0	0.1	1.3	2.0	1.2
	Price and	l Wage l	Indexes					
U.S. Implicit Price Deflator (1987=1.0)	1.119	1.177	1.216	1.252	1.278	1.309	1.336	1.370
% Ch Seattle Cons. Price Index (1982-84=1.0)	4.7 1.219	5.2 1.312	3.3 1.365	2.9 1.411	2.1 1.452	2.4 1.502	2.1 1.541	2.5 1.587
% Ch	5.8	7.6	4.0	3.3	2.9	3.5	2.6	2.9
Avg. Hourly Earnings-Mfg. (\$/Hour)	12.42	13.08	13.58	13.91	14.22	14.45	14.39	14.64
% Ch	1.7	5.3	3.8	2.4	2.3	1.6	-0.4	1.7
	nt Dollar Inc	•						
Nonfarm Personal Income %Ch	89.468 11.2	97.008 8.4	103.991 7.2	111.672 7.4	116.356 4.2	123.238 5.9	130.295 5.7	137.539 5.6
Personal Income	90.322	97.889	104.965	112.798	117.502	124.085	131.227	138.480
%Ch	11.2	8.4	7.2	7.5	4.2	5.6	5.8	5.5
Disposable Personal Income	78.150	85.106	91.678	98.540	102.231	107.845	114.089	120.772
%Ch Per Capita Income (\$/Person)	10.9 18,624	8.9 19,644	7.7 20,569	7.5 21,594	3.7 22,074	5.5 22,906	5.8 23,863	5.9 24,762
Per Capita Income (\$/Person) %Ch	8.2	5.5	4.7	5.0	22,074	3.8	4.2	3.8
	Employm		ousands)					
Washington Civilian Labor Force	2511.0	2524.3	2581.7	2681.0	2707.6	2748.3	2814.9	2876.8
Total Washington Employment	2372.9	2389.1	2402.4	2472.9	2517.9	2581.1	2636.7	2698.9
Unemployment Rate (%)	5.50	5.36	6.94	7.76	7.01	6.08	6.33	6.19
Wage and Salary Employment	2102.8	2160.5	2201.4	2235.8	2276.2	2339.2	2391.6	2459.4
%Ch	5.6	2.7	1.9	1.6	1.8	2.8	2.2	2.8
Manufacturing %Ch	369.2 5.4	360.2 -2.4	349.9 -2.8	344.4 -1.6	337.4 -2.0	339.5 0.6	330.4 -2.7	336.6 1.9
Durable Manufacturing	262.6	255.8	249.1	242.0	232.5	231.2	222.2	226.3
%Ch	5.4	-2.6	-2.6	-2.9	-3.9	-0.6	-3.9	1.8
Aerospace	117.0	115.3	114.8	107.8	96.5	89.4	77.2	79.4
%Ch Nondurable Manufacturing	9.5 106.5	-1.4 104.3	-0.4 100.8	-6.1 102.5	-10.5 104.9	-7.3 108.3	-13.7 108.2	2.8 110.3
%Ch	5.4	-2.1	-3.4	1.6	2.4	3.2	-0.1	2.0
Nonmanufacturing	1733.6	1800.3	1851.5	1891.3	1938.8	1999.7	2061.2	2122.8
%Ch	5.6	3.8	2.8	2.2	2.5	3.1	3.1	3.0
Construction %Ch	113.1 11.6	118.2 4.5	118.7 0.4	118.5 -0.1	122.0 3.0	123.5 1.2	124.8 1.1	125.9 0.9
Services	489.0	520.4	546.7	568.2	585.7	613.5	643.8	671.5
%Ch	7.0	6.4	5.1	3.9	3.1	4.7	4.9	4.3
	Housin	ng Indica	ators					
Housing Units Authorized (Thousands)	53.472	36.858	36.941	38.245	44.523	42.053	36.207	38.494
%Ch	11.0	-31.1	0.2	3.5	16.4	-5.5 8.60	-13.9	6.3
Mortgage Rate (%)	10.07	9.77	8.84	7.85	7.47	8.60	7.58	7.56

### Comparison of Washington and U.S. Economic Forecasts

CHART 1.1

Total Nonagricultural Employment

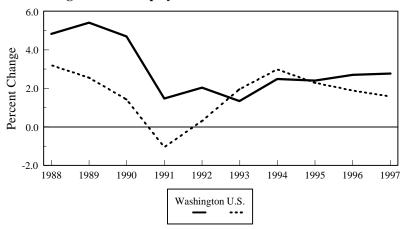


CHART 1.2

Manufacturing Employment

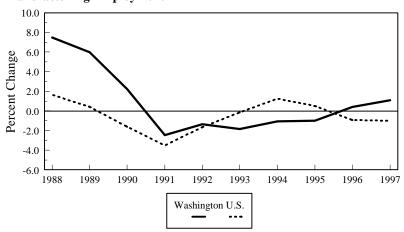


CHART 1.3 **Aerospace Employment** 

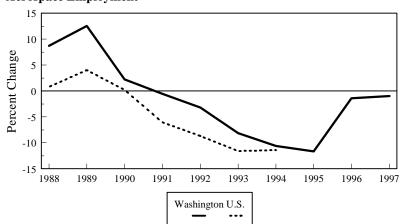
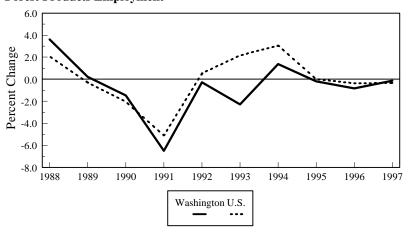


CHART 1.4 Forest Products Employment



### Comparison of Washington and U.S. Economic Forecasts

CHART 1.5 Construction Employment

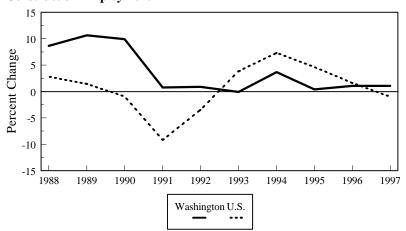


CHART 1.6

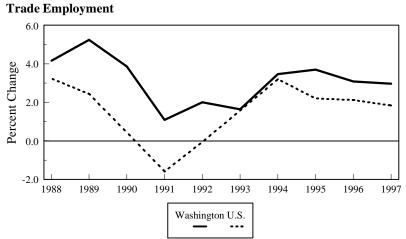


CHART 1.7
Services Employment

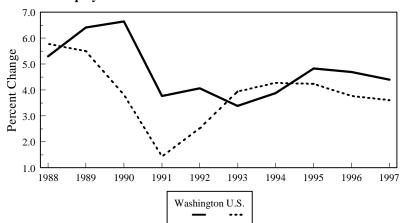
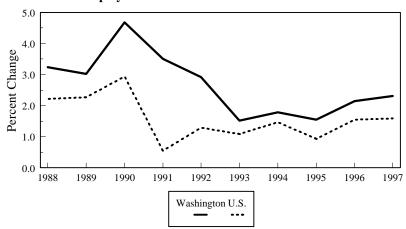


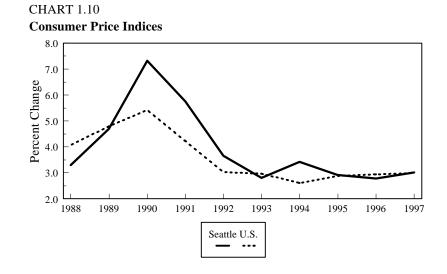
CHART 1.8

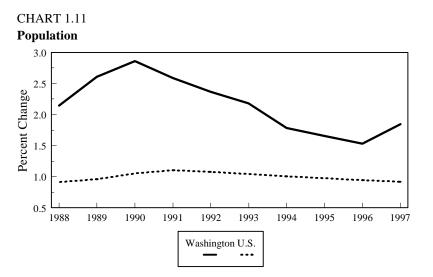
Government Employment

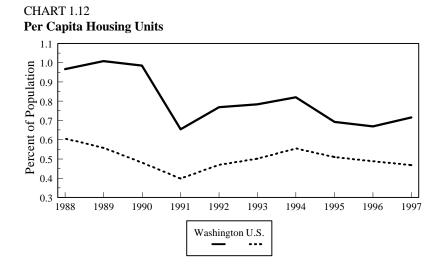


### Comparison of Washington and U.S. Economic Forecasts

CHART 1.9 **Real Personal Income** 6.0 Percent Change 3.0 2.1 0.0 -1.0 1989 1990 1991 1992 1993 1994 1995 1996 1997 Washington U.S.







#### Chapter 2

#### **Current Business Indicators**

#### **State Economic Activity**

The Boeing strike ended December 13 after 69 days. It was the third longest in Boeing's history—the 1947 strike lasted 148 days, and the 1977 strike, 77 days. As long as the strike lasted, and as important a presence that Boeing remains, the impact of the strike was not large. True, workers lost 10 weeks' worth of wages, and retail sales in Pierce, King, and Snohomish Counties have suffered. But these losses are temporary and will be largely offset, if not more than offset by the 10 percent bonus and other concessions won, by the extra income earned in second jobs during the strike, and by overtime wages workers will get as Boeing gets back to speed. Furthermore, Boeing did not lose sales, and its stock price rose 10 percent during the course of the strike and has risen over 60 percent since January, indicating that the market is bullish on Boeing's prospects.

#### **Leading Indicators**

The state index of leading indicators fell 2.9 percent in October (Chart 2.5), the third largest drop ever. The Boeing strike, however, directly accounted for all but 0.1 percent of the decline (and indirectly accounted for more), with aerospace employment falling from 81.2 to 56.7 thousand (Chart 2.2). The changes in the other components of the index, except for the rise in unemployment claims (Chart 2.6), were not unusual. The increase in unemployment claims is distorted by the Boeing strike. Although striking workers are not ordinarily entitled to unemployment insurance, many workers (over 8,000) filed claims under the belief they would be able to collect benefits if the company were shown to have engaged in unfair labor practices (the Department of Employment Security has been rejecting these claims).

#### **Other Economic Indicators**

The state and national purchasing managers' indices have been at odds in recent months. The state index has been strong, hovering around 60 in recent months. The national index has been edging down and currently stands at 46.5. When the index is 50, manufacturing purchasing managers are evenly divided on the direction of the near-term economy. Despite the Boeing strike, state manufacturers appear optimistic.

The drop in the Boom Monitor from 47 in September to 44 in October (Chart 2.4) is also attributable to the Boeing strike. Four components of the index have been flat in recent months: employment (Chart 2.1), housing starts (Chart 2.8), real estate excise tax collections, and the help-wanted-unemployment rate ratio. One component, new car and truck sales (Chart 2.11), has risen in recent months after languishing earlier in the year.

The state's unemployment rate has risen 0.7 percent since January and currently stands at 6.4 percent. The U.S. unemployment rate remained unchanged in November at 5.6 percent, the 14th straight month it has lingered below 6 percent. Washington's unemployment rate has been 0.9 percent higher than the U.S.'s on average since 1980. It is currently 0.85 percent higher.

Employment growth trends over the past 10 months have been fairly constant in the state's regional economies: Clark County has consistently outperformed other regions, growing about 5 percent; the Tri-Cities has consistently under-performed the rest of the state, contracting about 5 percent; Seattle has slightly under-performed the rest of the state, growing about 2 percent. Bremerton has grown little. Pierce is growing slightly above average, and Spokane, Bellingham, and Yakima are slightly below. In recent months, how-

ever, Thurston County has gone off on a higher trend and is currently growing about 4.2 percent, slightly lower than Clark County's growth but still impressive. The main sources of strength in Thurston are hard to pinpoint, although new troops at Fort Lewis, a strong retail sector, and the state employee pay raise of 1995 are key contributors.

In-migration, as measured by out-of-state drivers newly registering for Washington state licenses, continues to fall. Over the past 12 months 123,400 out-of-state drivers registered in Washington, 2.8 percent fewer than 12 months ago. California's annualized rate has fallen from 34,454 to 31,193, a 9.5 percent decline, and Oregon's from 15,073 to 14.059, a 6.7 percent decline.

#### **National Economic Activity**

The latest economic releases are mixed. On the one hand, the U.S. index of leading indicators fell 0.5 percent in October, the largest drop in 6 months. On the other hand, the Fed's December 7 Beige Book reports that national economic activity continues to expand, although at a slower pace than two months earlier. The 12th District's Beige Book (which includes California, Oregon and Washington) points "continued solid growth and only limited signs of weakness entering late fall. Although Washington state manufacturing employment growth is hampered by a strike at Boeing, respondents report continued expansion among smaller manufacturing firms in that state. Agricultural production and sales also are high in other states, particularly Washington and Oregon."

#### **Overall Assessment**

The state of the economy as the year winds down is mixed. The economy has outperformed the rest of the country despite cutbacks at Boeing and Hanford. Employment growth in the second half of the year, however, was lower than in the first half, and the unemployment rate has slightly

risen, indicating a weakening economy as the year winds down.

#### Chapter 3

#### **Washington State Revenue Forecast Summary**

There was very little change to the revenue forecast in November. A combination of weaker than expected collections, small adjustments to the economic forecast and tax law changes resulted in a \$15.3 million reduction to the General Fund-State forecast for the 1995-97 biennium. In addition, revised data for fiscal 1995 reduced the cash collections for the 1993-95 biennium by \$0.7 million. The total change for the 1993-95 and the 1995-97 biennia is a \$16.0 million reduction to General Fund-State cash receipts.

Collections during the last two months were a little weaker than assumed in the September forecast. General Fund-State cash receipts were \$18.7 million less than expected during this period. The small collection shortfall is consistent with weaker than expected third quarter statewide employment and income growth. Nationally, third quarter was stronger than assumed in September, although recent data suggests that the national economy may also be softening. September employment growth nationally was weak with the manufacturing sector again losing jobs. Although consumer confidence rose in November, it declined in both September and October and remains below the August level. In addition, U.S.

housing starts fell for the third straight month even though the 30 year mortgage rate continues to fall. Despite signs of cooling, the national economy is expected to continue to grow over the forecast horizon, although growth could slow for a quarter or two. With job reductions in the aircraft industry essentially over (the machinist strike notwithstanding), the state's economy is expected to be able to rideout any slowdown nationally. There are still some potential problems on the horizon: the machinist strike at Boeing, a slow start to the holiday buying season and uncertainty surrounding the balanced-budget negotiations at the national level. The state's economy is believed to be strong enough to overcome any of these potential disruptions. Moderate revenue growth is expected to continue throughout the biennium although it may experience slower growth a quarter or two along the way. More than half of the \$15.3 million reduction to the 1995-97 forecast in November was due to tax law changes. Legislation lowered the General Fund-State forecast for the 1995-97 biennium by \$9.5 million. \$7.2 million of this reflects the state portion of the baseball stadium funding legislation enacted during the October 1995 special legislative session. The other \$2.3 million legislative adjustment reflects

TABLE 3.1  Revision to the General Fund-State Forecast November 1995			CASH I	BASIS
(Millions of Dollars)	1993-95 Biennium	1995-97 Biennium	Total	
November 1995 Revenue Forecast Revision				
Legislation	_	(\$9.5)	(\$9.5)	
Forecast Change <sup>1</sup>	(0.7)	(5.8)	(6.5)	
Total Change	(\$0.7)	(\$15.3)	(\$16.0)	

<sup>&</sup>lt;sup>1</sup>November 1995 Forecast change, excluding legislation (cash basis).

legislation enacted during the June 1995 legislative session but not previously included in the forecast

The revision to the revenue forecast in November along with revisions to the 1993-95 ending balance and some accounting changes reduces the estimated ending balance for June 30, 1997 to \$677.2 million. This is \$14.2 million less than assumed in September. The November forecast for the 1995-97 biennium totals \$17,668.5 million and remains below the current estimate of the Initiative 601 spending limit of \$17,899 million.

#### **Background and Assumptions**

The Washington State General Fund-State forecast is prepared quarterly in conjunction with the state economic forecast for the Economic and Revenue Forecast Council. The Economic and Revenue Forecast Council was created by Chapter 138, Laws of 1984, to provide an objective revenue forecast for both executive and legislative branches of state government. The Council consists of six members, two appointed by the Governor and two appointed by the Legislature from each caucus of the Senate and House of Representatives. Current members of the Economic and Revenue Forecast Council are listed inside the front cover of this publication. The General Fund-State revenue forecast is updated four times per year: March (February in even-numbered years), June, September, and November. Each state agency engaged in revenue collection is responsible for forecasting revenues it collects or administers. The staff of the Economic and Revenue Forecast Council is responsible for the preparation of the state economic forecast and the revenue forecast of the Department of Revenue's General Fund-State sources. The staff is also responsible for review and coordination of the revenue forecasts of agencies that collect relatively large amounts of General Fund-State revenue. These are the Department of Licensing, the Lottery Commission, the Insurance Commissioner's Office, the State Treasurer, the Liquor Control

Board and the Office of Financial Management. The Office of Financial Management is responsible for summarizing the forecasts of all other state agencies which collect relatively smaller amounts of General Fund-State revenue as well as overseeing the tuition forecasts which are prepared by the various colleges and universities. For each quarterly update, the staff of the Economic and Revenue Forecast Council, under direction of the Executive Director, reviews (and if warranted, modifies) a national economic forecast prepared by Data Resources Incorporated (DRI). A state economic forecast is then prepared using an econometric model that links Washington's economy to the national economy. DRI's national forecast is the primary driver for the state economic forecast. After review by the Governor's Council of Economic Advisors, the economic forecast is used to prepare a baseline forecast of General Fund-State revenue. Agencies and the staff of the Forecast Council use the economic forecast, in conjunction with revenue models, to prepare a General Fund-State revenue forecast. The revenue forecasts for most major General Fund sources are prepared using econometric models which link the tax base of major General Fund taxes to the national and state economic forecast. A baseline revenue forecast, along with at least two alternative forecasts, is prepared for all General Fund-State sources and presented to the Forecast Council for approval. Once a forecast is approved by the Council it becomes the official forecast of General Fund-State revenue. An outline of the forecast process, including a summary of the baseline forecast for the 1995-97 biennium (cash basis) approved by the Forecast Council on November 16, 1995, is shown in Table 3.2.

#### **November 1995 Forecast Assumptions**

1. The November 1995 forecast is based on current law and administrative practices. The November forecast includes a \$9.5 million reduction due to legislation affecting the 1995-97 biennium not previously included in the forecast. The majority of this

change (\$7.2 million) reflects the General Fund-State impact of the baseball stadium legislation enacted during the October 1995 special legislative session. The remainder of the \$9.5 million represents legislation enacted during the 1995 regular session but not included in the forecast in June. The June 1995 forecast update for the 1995-97 biennium included the vast majority of legislation and budget decisions (a \$242 million reduction) enacted during the 1995 legislative session.

- 2. The baseline revenue forecast for the 1995-97 biennium is based upon the economic forecast presented in Chapter 1 of this publication. The outlook for the state's economy and revenue is in part based on DRI's October 1995 U.S. control forecast.
- 3. The November forecast of interest earnings assumes that the June 30, 1995 ending balances for the General Fund and the Budget Stabilization Account are applied to the July 1, 1995 beginning General Fund balance.
- 4. There are several legal challenges to various aspects of the state's tax laws or administration. Most of these actions are in litigation and are either unresolved or are on appeal. Any impact on General Fund-State receipts will not be incorporated into the General Fund-State forecast until the issue has been finally resolved.
- 5. There are some non-economic assumptions affecting General Fund-State revenues embedded in the forecast for the 1993-95 and 1995-97 biennia. Some of these are summarized below.

- Beginning July 1992, higher education tuition and fees are no longer part of the state General Fund. Instead, revenues from tuition and fees are placed in the operating fund of the individual colleges and universities. Because of this change, tuition and fees are included in only one year of the 1991-93 biennium General Fund-State revenue total and are excluded from the 1993-95 and 1995-97 biennial totals. The legislation enacting this change stipulates that the tuition and fee forecast is still to be reviewed by the Economic and Revenue Forecast Council. Pursuant to this, we have included the tuition forecast separately in Table 3.17.
- There have been several legislative and other non-economic changes which affected actual receipts for the 1991-93 and the 1993-95 biennia as well as the forecast for the 1995-97 biennium. Actual General Fund-State receipts for the 1991-93 biennium include \$179 million due to legislation. The 1993-95 biennium total has been increased by a net \$330 million as a result of action by the Legislature. The forecast for the 1995-97 biennium has been reduced \$443 million due to legislation. This includes \$242 million of reductions enacted during the 1995 regular and special legislative sessions and incorporated into the forecast in June and the \$9.5 million reduction incorporated into the forecast in November.

Last quarter's forecast for the 1995-97 biennium included a special downward adjustment of \$11 million reflecting the estimated impact of refunds and/or credits to be issued

TABLE 3.3

#### **Collection Variance**

September 11 - November 10, 1995 Based on September 1995 Forecast (Millions of Dollars)

Agency	Collection Variance	Percent of Estimate
Department of Revenue		
Revenue Act*	(\$18.1)	(1.6%)
Non Revenue Act**	<u>4.7</u>	<u>3.6</u>
Subtotal	(\$13.4)	(1.1%)
Department of Licensing**	\$1.4	2.2%
Lottery**	(6.7)	(31.6)
Total	(\$18.7)	(1.4%)

<sup>\*</sup> Revenue Act taxes consist of retail sales, business and occupation, use, public utility, and tobacco products taxes as well as penalty and interest receipts. Variance based on collections September 11 - November 10, 1995.

to taxpayers in early fiscal 1996 for prior overpayment of some excise taxes. The utilization of these credits was shifted from the third (which was assumed in the June forecast) to the fourth quarter. A large portion (\$8 million) of these credits were used to offset tax liability last month (third quarter) accounting for part of the collection shortfall. The remainder of these credits are still expected to be taken in the fourth quarter.

#### **Recent Collection Experience**

General Fund-State collections were close to expectations for the two months since the last forecast. Overall collections were \$18.7 million (1.4 percent) less than expected in the September 11 through November 10 collection period. Revenue Act taxes (retail sales,

business and occupation, use, public utility, and tobacco products taxes) account for the shortfall. Revenue Act collections during this period primarily reflect August and September business activity. These taxes were \$18.1 million (1.6 percent) less than expected. However, \$8 million of this shortfall is a timing issue, reflecting earlier utilization of tax credits than expected rather than weaker than expected activity. Adjusting for the earlier utilization of tax credits, the Revenue Act variance falls to \$10.1 million and the overall shortfall drops to only \$10.7 million (0.8 percent).

The November forecast assumed a 2.2 percent real GDP growth nationally in the third quarter, slightly above what was expected in the September forecast. However, at the state level, the November employment estimate for the third quarter was nearly 7,000 below the September forecast. Personal income in the third quarter was also slightly below expectations, contributing to the somewhat weaker than expected revenue. Revenue Act collections increased only 1.3 percent from the yearago level in the two months since the last forecast. This increase understates the level of taxable activity due to a variety of 1994 and 1995 tax law changes (B&O surtax reductions, expansion of the sales tax deferral program, enactment of small business and hi-technology tax credits and passage of a sales tax exemption for machinery and equipment used by manufacturers) which have reduced tax payments in fiscal 1996. Adjusting for legislation and for large audit payments and credits, Revenue Act tax collections the last two months were 3.9 percent above the year-ago level. This is a clear deceleration from the strong 6.9 percent increase experienced in the second quarter. Slower growth was expected, however, and is consistent with the forecast of moderate economic growth.

<sup>\*\*</sup> Variance based on collections from September and October 1995. Major Non Revenue Act taxes in this category include: state property tax levy, real estate excise tax and estate tax.

<sup>\*\*\*</sup> Variance for other agencies' General Fund revenue and transfers. Detail may not add to total due to rounding.

Preliminary data for the last two months show strength in several sectors including transportation, communications and utilities, some services and some retail sectors. Weakness was evident in construction, manufacturing as well as in some services and retail trade sectors. Within the retail trade sector, furniture and equipment purchases (including computers) and building materials and hardware along with general merchandise and apparel stores had above average growth during the last two months. Miscellaneous retailers, auto dealers and gas stations were weaker than average. Within the service sector, auto services including repair, leasing and parking services were very strong while business services appeared weak. Other General Fund taxes collected by the Department of Revenue were \$4.7 million, above the estimate for the two months since the September forecast. Stronger than expected estate tax payments and revenue from state forest funds account for the higher than expected collections. Most other major taxes in this category were below the forecast the last two months. The state share of the property tax was \$1.8 million less than expected and real estate excise receipts were \$908 thousand below the forecast.

Estate tax payments are very volatile and the higher than expected collections during the last two months primarily reflect settlement of a very large estate. State forest fund revenues, which are the state share of revenue from the sale of timber on state lands, are up more than 200 percent for the first four months of fiscal 1996. The shortfall of property tax receipts is likely due to shift in the timing of payment of property taxes and is expected to be offset by higher collections in the next few months. The weaker than expected real estate excise receipts reflect a continuation of a sluggish real estate market. Taxable real estate excise tax activity in September (reflecting October General Fund collections) was 1.8 percent below the year-ago level and

TABLE 3.4 **General Fund-State Collections** \*
Cash Basis
(Millions of Dollars)

Biennium	Current Dollars*	Percent Change	1987 Dollars	Percent Change
1961-63	\$817.1		\$2,898.8	
1963-65	866.2	6.0	2,972.8	2.6%
1965-67	1,128.6	30.3	3,694.3	24.3
1967-69	1,440.5	27.6	4,405.2	19.2
1969-71	1,732.7	20.3	4,856.9	10.3
1971-73	1,922.1	10.9	4,938.0	1.7
1973-75	2,372.4	23.4	5,270.5	6.7
1975-77	3,395.0	43.1	6,538.3	24.1
1977-79	4,490.0	32.3	7,541.5	15.3
1979-81	5,356.6	19.3	7,503.6	-0.5
1981-83	6,801.5	27.0	8,278.1	10.3
1983-85	8,202.3	20.6	9,153.1	10.6
1985-87	9,574.6	16.7	9,947.6	8.7
1987-89	10,934.1	14.2	10,473.3	5.3
1989-91	13,308.9	21.7	11,593.1	10.7
1991-93	14,862.2	11.7	12,043.9	3.9
1993-95_	16,564.6	11.5	12,806.0	6.3
1995-97 <sup>E</sup>	17,668.5	6.7	13,058.7	2.0

<sup>&</sup>lt;sup>E</sup> - November 1995 Forecast; Beginning July 1992 tuition revenue is no longer part of the General Fund-State total.

Source: Department of Revenue and the Office of Financial Management. Office of the Forecast Council's November 1995 forecast.

has declined relative the year-ago period ten of the last twelve months. This is despite significantly lower mortgage rates compared to last year. This suggests that consumers are cautious despite significantly lower mortgage interest rates. Rates in the third quarter of 1995 are expected to average 7.7 percent compared to 8.6 percent a year ago. Although statewide real estate activity remains weak, there has been noticeable improvement in sev-

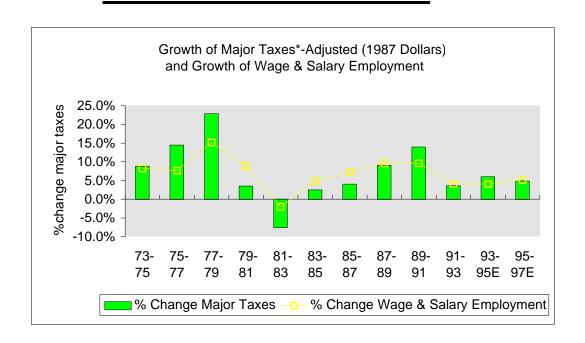
<sup>\*</sup> Total General Fund-State collections-cash receipts basis. Includes rate, base and administrative changes; Modified Cash Basis: 1985-87 & prior; pure cash basis: 1987-89 & after. Changes among biennia may not be comparable because the biennial revenue totals shown here include the impact of rate, base and administrative changes on total collections.

TABLE 3.5 **Growth of Major Taxes (Adjusted)\***November 1995 Forecast

#### Growth of Major State Taxes (adjusted)

	~ ····· - ···· (···· <b>j</b> ····· ··)
Cu	irrent 1987
<u>Biennium</u> <u>Do</u>	<u>ollars</u> <u>Dollars</u>
1971-73	6.3% 6.6%
1973-75 25	5.8% 8.8%
1975-77 32	2.0% 14.4%
1977-79 40	0.8% 22.8%
1979-81 24	4.1% 3.5%
1981-83	6.4% -7.6%
1983-85	1.8% 2.5%
1985-87	1.7% 4.0%
1987-89	9.1%
1989-91 25	5.2% 13.9%
1991-93	1.4% 3.6%
1993-95E 11	1.1% 6.0%
1995-97E	9.8% 4.9%

<sup>\*</sup>Estimated growth of six major state taxes (sales, B&O, use, public utility, real estate excise and property) on a tax liability basis, adjusted to a constant rate and base.



eral areas. Taxable real estate activity in King, Kitsap and Clark counties are all better than the statewide average. For the first nine months of 1995, statewide taxable real estate activity has declined 10.2 percent, while the decline has been only 3.9 percent in Kitsap county, 6.5 percent in Clark county and 8.9 percent in King. On the other hand, taxable real estate activity in the first nine months of 1995 is down 13.6 percent in Snohomish county and 15.5 percent in Spokane county.

The General Fund-State taxes collected by the Department of Licensing, primarily motor vehicle excise tax revenue, exceeded the September forecast by \$1.4 million. During the last two months collections were 2.1 percent below the year-ago level. Lottery Commission's General Fund deposits were \$6.7 million below the September forecast during the last two months. In this period, Lottery General Fund deposits were 45.4 percent below a strong year-ago level. Table 3.3 summarizes General Fund-State collection experience since the September forecast.

#### The Forecast for 1995-97 Biennium

The November 1995 forecast is consistent with a moderate growth, low inflation path for the economy. The General Fund-State forecast for the 1995-97 biennium totals \$17,668.5 million, \$1.1 billion above actual collections for the just completed 1993-95 biennium. This is an increase of only 6.7 percent (2 percent adjusted for inflation). The weak growth is due largely to legislation which significantly lowers 1995-97 revenue. Legislative changes in 1994 and 1995 have reduced expected revenue in the 1995-97 biennium by a total of \$443 million. Tax law changes enacted during the 1994 legislative session reduced General Fund-State revenue by \$192 million. Tax reductions enacted during the 1995 session reduced General FundState revenue by an additional \$252 million, including \$7.2 million during the October 1995 special legislative session. Excluding the impact of 1994 and 1995 legislation, General Fund-State revenue is expected to grow 9.6 percent (6.3 percent adjusted for inflation) in the 1995-97 biennium. The current cash forecast of \$17,668.5 million is below the Office of Financial Management's most recent estimate of the Initiative 601 spending limit of \$17,899 million.

Revenue growth in the 1995-97 biennium is expected to only slightly outpace the growth experienced during the 1993-95 biennium. General Fund-State cash receipts for the 1993-95 biennium grew moderately despite major reductions in aircraft manufacturing employment, the state's largest manufacturing sector. The employment and income shocks to the state's economy, due to the contraction at Boeing, were to a large degree offset by growth in other manufacturing sectors as well as other areas, especially software. General Fund-State collections for the 1993-95 biennium increased \$1.7 billion, 11.5 percent (6.3 percent adjusted for inflation) over the receipts collected during the 1991-93 biennium. There was a net addition of \$330 million to the 1993-95 biennium due to legislation. Adjusting for new legislation, General Fund-State cash receipts increased 9.2 percent in the 1993-95 biennium (4.2 percent adjusted for inflation).

Revenue growth, legislation aside, is driven by underlying economic factors. Although the worst of the job losses at Boeing are likely behind us and the pace of growth in the national economy is expected to pick up in 1996, key sectors of the state's economy are assumed to remain weak during the 1995-97 biennium. Job growth in the manufacturing and construction sectors will stay weak relative to other sectors and to historical averages. This is despite several recent announcements of manufacturers coming to the state or sig-

TABLE 3.6 **Taxable Retail Sales\*** November 1995 Forecast (Millions of Dollars)

(ivinions of Bonars)		Percent
Fiscal Year	Amount	Change
		8
1971	\$8,748	1.6%
1972	9,545	9.1
1973	10,646	11.5
1974	11,877	11.6
1975	13,380	12.7
1976	15,493	15.8
1977	17,626	13.8
1978	21,121	19.8
1979	22,309	5.6
1980	24,057	7.8
1981	25,197	4.7
1982	26,097	3.6
1983	29,368	12.5
1984	29,156	-0.7
1985	30,687	5.3
1986	32,158	4.8
1987	34,647	7.7
1988	37,452	8.1
1989	41,429	10.6
1990	47,183	13.9
1991	49,812	5.6
1992	53,189	6.8
1993	55,319	4.0
1994	59,009	6.7
1995	61,927	4.9
1996 <sup>E</sup>	63,649	2.8
1997 <sup>E</sup>	66,689	4.8

E Estimate

nificantly increasing existing capacity, including Intel, SEH America Inc., BHP Steel, and Matsushita. Manufacturing employment

growth in fiscal 1996 is expected to decline after increasing 0.6 percent in fiscal 1995, the first increase since fiscal 1990. Although manufacturing employment is projected to increase in fiscal 1997, it is expected to remain below its fiscal 1995s level. Construction employment is expected to grow in both fiscal 1996 and 1997 but the increase will be the weakest since fiscal 1993. Population growth is also expected to moderate during the 1995-97 biennium. Despite weak employment growth in the manufacturing and construction sectors, overall employment and income growth is expected to improve during the 1995-97 biennium. Although the rate of population increase is also expected to moderate during the 1995-97 biennium, it is still expected to outperform the U.S. as a whole.

Revenue growth is expected to grow moderately during the 1995-97 biennium based on a stable and improving state economy. Table 3.5 shows the biennial growth of the state's major tax sources at a constant rate and base. The graph in Table 3.5 illustrates the relationship between overall economic activity as measured by state wage and salary employment and revenue growth as measured by an index of major state taxes adjusting for major base and rate changes. Revenue growth slowed significantly after 1990 as the economy weakened. Growth during the 1991-93 biennium was well below the rapid growth of the late 1980's due to a weak national economy and sharp employment reductions in the state's aircraft industry. Revenue growth for the 1993-95 biennium improved. Growth in fiscal 1994 and 1995 was quite strong, especially relative to overall economic activity as measured by income and employment. However, growth was well below the rapid pace of the late 1980's due to much weaker employment gains. Revenue growth is expected to weaken in fiscal 1996 due to a slower national economy before improving in fiscal 1997.

<sup>\*-</sup> Actual base. Includes statutory and administrative changes to the tax base. Historical fiscal year data are from quarterly taxable sales reported by taxpayers on the state's Combined Excise Tax return. Historical data may be slightly different than previously reported due to use of seasonally adjusted data in the past. Major base changes include: exemption of off-premises food in 1978:3 (fiscal 1979); extension of the sales tax base to off-premises food 1982:2 to 1983:2; food again exempt 1983:3 (fiscal 1984). Base extended to some personal services, effective July 1993. Some personal services are exempt effective July 1994. Exemption of manufacturing equipment effective fiscal 1996.

Three taxes, sales and use, business and occupation and the property tax (state school levy), account for the majority of total General Fund-State revenue. These taxes are expected to account for 84 percent of the \$17.7 billion total General Fund-State cash receipts in the 1995-97 biennium. The state's reliance on sales, business and occupation, and property taxes has increased over time, rising from 80 percent in the 1991-93 biennium and from 75 percent twenty years ago. The retail sales and use tax, the state's largest revenue source, is projected to generate \$9.2 billion, 52 percent of total revenue in the 1995-97 biennium. The business and occupation tax and the property tax are expected to total \$3.4 billion (19.3) percent of the total) and \$2.2 billion (12.7 percent of the total) respectively.

The outlook for taxable sales growth is similar to what was assumed in September. Taxable sales increased 4.9 percent in fiscal 1995, slightly below September's 5.2 percent forecast. Growth was a little weaker than expected in the second quarter. Total taxable sales increased 4.8 percent, led by a 15.3 percent increase in the building materials and hardware sector and by 12.5 percent increases in the finance, insurance and real estate and the auto repair and parking sectors. Overall, the retail trade sector was up only 3.4 percent from a year ago in the second quarter. Aside from the strong showing of the building materials and hardware sector, eating and drinking places increased 5 percent and general merchandise and apparel increased 4.6 percent. Weakness was evident in food stores which grew only 2.3 percent and in the miscellaneous retailing sector which declined 6.2 percent in the second quarter. The second quarter year-over-year changes by sector are based on data adjusted for changes in the Standard Industrial Classification (SIC) of firms that occurred between the second quarter of 1995 and 1994. While there is always some reclassification of business, the Department of Reve-

#### TABLE 3.7

#### **Summary Changes to the General Fund-State Forecast**

November Cash Forecast (Millions of Dollars)

> **Change Between Sept.** and Nov. 1995 Forecasts

#### 1993-95 BIENNIUM

Collection Experience		\$0.7
Department of Revenue	_	
Other	0.7	

1995-97 BIENNIUM		
Collection Experience		(\$18.7)
Department of Revenue	(\$13.4)	
Other Agencies	(5.3)	
Legislation		(9.5)
Forecast Change		12.9
Department of Revenue	\$6.9	
Other Agencies	6.0	

Total Change: 1993-1995 & 1995-97 Biennia: (\$14.6)

nue has recently embarked on a major effort to reclassify many large firms, significantly distorting the year-over-year comparison of growth of taxable activity by sector unless adjustment are made to the data. Fiscal 1995 taxable sales growth was strongest west of the Cascades, with western Washington counties up 5.1 percent while the increase in eastern Washington counties was only 3.8 percent. This is despite the fact that the top three counties: Pend Oreille (+23.1 percent), Whitman (15.8 percent) and Klickitat (+13.7 percent) are all in eastern Washington. King, the state's largest county, was up 6.7 percent in fiscal 1995. This is the first fiscal year since 1989 that King county grew faster than the statewide average. Taxable sales growth in Snohomish county, the state's second largest county, was only 2.2 percent. Taxable sales increased a weak 1.2 percent in Spokane county in fiscal 1995. Statewide taxable sales growth is expected to slow to 2.8 percent in fiscal 1996. The slower growth relative to fiscal 1995 is due in part due to economic factors

and in part due to tax law changes. Slow growth nationally, an essentially flat aerospace sector and sizable employment reductions at Hanford will all contribute to sluggish retail sales growth in fiscal 1996. Early indications are that the 1995 Christmas shopping season is off to a slow start supporting a slower retail sales growth outlook. In addition, 1995 legislation exempted the purchase of machinery and equipment by manufacturers from the sales and use tax. This significantly reduces the sales and use tax base. This exemption is expected to shave the growth rate of taxable sales by about a percent in fiscal 1996. The growth of the sales tax base is expected to rebound to 4.8 percent in fiscal 1997, slightly higher than what was assumed in the September forecast.

#### Forecast Change for 1995-97 Biennium

The forecast for the 1995-97 biennium was reduced \$15.3 million in November, a decrease of less than 0.1 percent. The change was primarily due to a combination of actual collection experience and incorporation of legislative changes not previously included in the baseline forecast. There was little change to the overall economic outlook since the September 1995 forecast. The Federal Reserve achieved a soft landing in 1995, and although the growth nationally may be a little bumpier the next quarter or two than assumed in September, the November forecast still expects the economy to grow moderately in fiscal 1996 and 1997. Likewise at the state level, the prognosis remains positive and essentially unchanged from September. The growth of tax collections slowed in the third quarter a little more than was expected, but at this point this is not a major concern.

The forecast for statewide employment and income growth has changed very little from September. The population forecast is a little less than assumed in September as is the building

permit forecast. There is still a lot of uncertainty regarding the impact of a Federal balanced-budget agreement. Although an agreement has yet to be reached, the forecast assumes that any spending reduction contained in an agreement will be gradual enough to avoid a major shock to the economy. There is also some anxiety over the impact of the machinist strike that was not present at the time of the September 1995 forecast. The November forecast assumes a forty-five day strike. This number has been exceeded as of the time of this publication. The impacts of machinist strikes in the past have been small in the aggregate. Unless the current strike persists well into the first quarter, the impact this time around is also expected to be small statewide, although it may be substantial to individual businesses and individuals.

Table 3.7 summarizes changes to the cash forecast in November by type of change. Tables 3.8 and 3.9 summarize revisions to the 1993-95 biennium by agency. Tables 3.10 and 3.11 summarize changes to the forecast for the 1995-97 biennium by agency. Tables 3.8 and 3.10 are on a cash basis and Tables 3.9 and 3.11 are on a GAAP basis. Table 3.12 provides fiscal year estimates by major revenue source (cash basis). Below is a brief summary of the changes to the General Fund-State forecast by agency.

#### Department of Revenue

The Department of Revenue's cash forecast for the 1995-97 biennium was reduced \$13.7 million in November. Much of this change, \$13.4 million, reflects actual collection experience for the first two months since the September forecast. The other major change was a \$7.2 million reduction as a result of legislation enacted to help fund the new baseball stadium for the Seattle Mariners. The retail sales tax forecast for the 1995-97 biennium was reduced \$15.7 million in November and the

1995-97 forecast for the business and occupation tax was lowered \$3.9 million. \$5.8 million of the sales tax reduction reflects the legislation funding the baseball stadium. Other major reductions to Department of Revenue sources for the 1995-97 biennium in November included: a \$3.4 million reduction to the use tax, \$1.4 million of which is related to the baseball stadium legislation and a \$3.9 million reduction to the cigarette tax. There were some increases to the forecast in November. The public utility tax forecast was raised \$2.9 million. There was also a \$4.1 million increase to the real estate excise tax estimate, a \$5.9 million increase to the estate tax forecast and a \$3.6 million increase to the state forest fund estimate. Most of the changes, up or down, legislation aside, reflect collection experience so far during fiscal 1996. Sales, business and occupation, use and cigarette tax collections are not performing as well as expected. On the other hand, public utility, estate and state forecast fund collections are higher than expected through the first four months of the biennium.

#### Department of Licensing

The General Fund-State forecast for taxes collected by the Department of Licensing was increased \$3.9 million for the 1995-97 biennium. The revision reflects actual experience in the first four months of the biennium and revised economic assumptions for interest rates, state personal income and population.

## Office of Financial Management: Other Agencies

The 1995-97 General Fund forecast for "other agencies" prepared by the Office of Financial Management was reduced \$12.2 million in November. There were a series of changes to the forecast of treasurer's transfers which reduced General Fund-State revenue by \$8.8 million, including a \$2.3 million reduction

due to a legislative change. The primary reductions to the General Fund forecast resulting from increases in treasurer's transfers include a \$2.9 million change to the forecast of transit distributions, a \$0.9 million change to the water quality transfer forecast, a \$2.4 million change to the forecast of county sales and use equalization payments and a \$2.3 million transfer to the DSHS Child Support Account. The last change was a legislative adjustment not previously incorporated into the forecast in June or September. Another change to the forecast of other agencies for the 1995-97 biennium was a \$1.4 million reduction to the General Fund due to an increase in state revenues for distribution (primarily PUD excise tax). Like treasurer's transfers, higher state revenues for distribution reduce General Fund-State revenue.

#### State Treasurer

The interest earnings forecast was increased by \$8.2 million for the 1995-97 biennium. The increase is due to changes in the interest rate and average daily balance assumptions. The average daily balance assumption was increased \$45 million for fiscal 1996 and \$165 million for fiscal 1997. The interest rate assumption was slightly higher than in September, adding to the increase to the forecast due to the higher balance assumption. Note, the forecast for interest earnings for the 1995-97 biennium assumes that the June 30, 1995 ending balance for the General Fund and Budget Stabilization Accounts are applied to the July 1, 1995 General Fund beginning balance.

#### Track Record for the 1993-95 Biennium

General Fund-State receipts for the 1993-95 biennium totaled \$16,564.6 million as of November 1995. This is \$0.7 million higher than the September 1995 preliminary number and is \$312 million lower than the original estimate for the 1993-95 biennium adopted in

February 1992 (excluding legislation). There have been fourteen quarterly updates to the forecast for the 1993-95 biennium since the original forecast in February 1992 (excluding the data revision in November 1995). There have been nine increases to the estimate and five reductions. The largest change was in March 1993 when the forecast was reduced \$577 million to incorporate the impact of major production and employment reductions in the state's aircraft industry. Since March 1993, the 1993-95 General Fund-State forecast has increased \$411 million, excluding legislation. Table 3.13 summarizes the changes to the General Fund-State forecast for the 1993-95 biennium.

#### Track Record for the 1995-97 Biennium

The November 1995 forecast for the General Fund-State for the 1995-97 biennium totals \$17,668.5 million. This is \$15.3 million less than the September 1995 forecast and \$280 million, 1.6 percent, higher than the initial forecast for the 1995-97 biennium (excluding legislation) made in February 1994. There have been seven quarterly updates to the forecast for the 1995-97 biennium. There have been four reductions (including the current forecast) and three increases. Table 3.14 summarizes the changes to the 1995-97 General Fund-State forecast.

# The Relationship Between the Cash and GAAP General Fund-State Revenue Forecasts

Legislation enacted in 1987 requires that the state's biennial budget be in conformance with Generally Accepted Accounting Principles (GAAP). This legislation requires that the Forecast Council adopt a cash forecast as well as a forecast of revenue on a GAAP basis. The forecast on a GAAP basis provides an estimate of the state's equity position. Revenues are credited to the biennium in

which they are earned even though they may not yet have been collected. On the other hand, the cash forecast is used for cash flow management, to assess the state's current surplus or deficit position, and is the basis for triggering the allotment reduction provision of the state's Budget and Accounting Act. Washington's Budget and Accounting Act requires that allotment reductions be made when expected cash receipts are less than expected disbursements. The primary difference between the cash and GAAP forecasts is timing of the receipt of revenue. References to the General Fund-State forecast in the text of this chapter refer to the cash forecast unless otherwise noted. Likewise, the tables other than Table 3.9 and Table 3.11 are on a cash basis. Table 3.15 compares the cash receipts forecast and the GAAP forecast by agency. Actual revenue for the 1993-95 biennium (revised from preliminary September 1995 data) on a GAAP basis totals \$16,637.7 million, \$73.1 million higher than the cash total of \$16,564.6 million. The November forecast for the 1995-97 biennium on a GAAP basis is \$17,717.1 million, \$48.6 million more than the cash estimate of \$17,668.5 million.

Table 3.16 shows the ending balance (unaudited) for the 1993-95 biennium and the estimated ending balance for the 1995-97 biennium based on the revised November revenue forecast (GAAP basis) and the current appropriation level adopted by the legislature in June. The General Fund ending balance for the 1993-95 biennium is \$558.9 million. This includes \$100 million in the Budget Stabilization Account. The Budget Stabilization Account sunsetted on June 30, 1995 in accordance with Initiative 601 and the \$100 million in that account became part of the General Fund's beginning balance for the 1995-97 biennium. The current estimated ending balance for the 1995-97 biennium is \$677.2 million. The General Fund balance estimates in Table 3.16 are based on a new format adopted by the Office of Financial Management in September. The balances shown in Table 3.16 are on a modified GAAP basis. These balance figures are not comparable with the prior fund balance estimates published here and used by OFM and Legislative Fiscal Committees prior to September 1995. Prior to September, the balances were on a cash basis. On the old basis, the ending balance for the 1993-95 biennium would have been \$661.4 million and the projected ending balance for the 1995-97 biennium based on the November 1995 forecast and appropriation assumptions would be \$731 million.

#### **Tuition Forecast**

Legislation enacted during the 1992 legislative session (ESB 6285) provided that higher education tuition and operating fees collected by the state's colleges and universities would no longer be deposited into the State General Fund. Instead, tuition and fee revenue are to be deposited into the operating fund of each institution of higher education. This change became effective July 1992. As a result of this legislation, tuition revenues are no longer included in the State General Fund total after June 30, 1992. The legislation enacting this transfer requires that the Forecast Council staff continue to review the tuition forecast and that the tuition forecast must be approved by the Forecast Council as part of the quarterly forecast review process. Table 3.17 shows the November 1995 tuition revenue for fiscal 1993 and beyond. The tuition numbers for fiscal 1992 and earlier years are included in the General Fund-State totals shown in other tables in this chapter. Data through fiscal 1995 reflect actual collections. Revised actual receipts for fiscal 1995 were \$104 thousand more than what was expected in September. The November tuition and fee forecast for the 1995-97 biennium was increased \$1.3 million from September. The current forecast is based on enrollment and tuition assumptions adopted by the legislature during the 1995 session. Tuition rates are assumed to increase 4 percent in each year of the biennium. The revision to the forecast in November reflects incorporation of better data on actual enrollment levels for the current school year.

#### **Alternative Forecasts**

The baseline forecast assumes that the national and state economies are on a moderate growth, low inflation path. The danger of either a recession or excessively rapid growth is low for the 1995-97 biennium, although there is always a risk. Two alternative forecasts of General Fund-State revenue, with distinctly different growth paths, were adopted along with the baseline forecast by the Forecast Council in November. In the optimistic scenario, slower growth in the second and the third quarter turns out to be only a temporary pause in the economy. Growth begins to accelerate in the fourth quarter of 1995. The economy is much stronger in 1996 than assumed in the baseline. Consumers continue to spend as the currently high consumer debt level fails to erode confidence or constrain behavior. Inflation remains in check and investment spending accelerates. In the optimistic scenario, by the middle of calendar 1996 state personal income is 2.5 percent higher than the baseline estimate and wage and salary employment is more than 25,000 above the baseline. By the end of the 1995-97 biennium state employment is 2.7 percent above the baseline forecast and state income is 4.7 percent higher.

The pessimistic alternative assumes a hard landing. In this scenario, growth turns negative in the fourth quarter of 1995 and declines through the second quarter of 1996. Washington's economy suffers in response to the weakening national economy. Aerospace growth is weaker and additional Federal

budget cuts reduce Hanford related jobs more than assumed in the baseline. In the pessimistic alternative, state personal income is 3.8 percent below the baseline by the middle of 1996 and 5.8 percent less than the baseline by the end of the 1995-97 biennium. Employment is more than 25,000 less than the baseline by mid 1996 and is 3.3 percent below by the end of the biennium. Table 3.18 shows the revenue implications of these alternative scenarios for the 1995-97 biennium. The optimistic scenario generates \$18,397.1 million in General Fund-State revenue in 1995-97. This is \$728.7 million more than the baseline forecast. The pessimistic alternative produces only \$16,804.5 million in the 1995-97 biennium, \$864 million less than the baseline forecast. The range of alternative revenue forecasts is less than the range in September reflecting a shorter time horizon. In addition to the official optimistic and pessimistic alternatives, an additional alternative forecast was developed in November. This was developed by averaging the estimates for key economic variables made by members of the Governor's Council of Economic Advisors. This alternative was very similar to the November baseline forecast. The Governor's Economic Council's alternative would produce about \$8 million more than the baseline for the 1995-97 biennium.

#### Chapter 4

## **Forecasting County Taxable Retail Sales**

#### Introduction

This special report discusses a simple, inexpensive, yet effective way of forecasting county or city retail sales. The method, a type of ARIMA forecasting, involves regressing a variable against its eight lagged values. The procedure will be discussed using taxable retail sales in Clark, King, Whatcom, and Spokane Counties as examples.

The report's outline is as follows. Part 1 provides background on ARIMA forecasting. Part 2 discusses when ARIMA forecasting is appropriate. Part 3 traces through the four steps of an ARIMA forecast. Part 4 outlines the simpler approach. Part 5 concludes.

The report will not go into much detail on how ARIMA forecasts are made—there are textbooks that do this, and references are provided at the end. It will simply outline the procedures. An interested reader can consult references given in the back. A less ambitious reader can follow the procedures suggested here.

#### Part 1. What is ARIMA Forecasting

Autoregressive-integrated-moving-average (ARIMA) forecasting, also known as Box-Jenkins forecasting, is a sophisticated method of extrapolating data. An analyst doing an ARIMA forecast is not interested in explaining why a variable moves as it does. His objective is to build a model that will generate data resembling the series he will forecast. The only inputs into the model are the variable's history. Although other information is ignored, an analyst may subjectively account for them at some point in the forecast.

ARIMA forecasting is well known to economists with a quantitative background, but is one most analysts are unfamiliar with. This is unfortunate. The ARIMA methodology, in most instances, delivers a better short-term forecast than one arrived at using sophisticated econometric models. Although it requires study and experience to apply correctly, following shortcuts—such as the one outlined here, one can usually generate satisfactory forecasts having only a rudimentary knowledge.

George Box and Gwilym Jenkins in the early 1970's developed the methodology—Box-Jenkins forecasting—used by most ARIMA practitioners. During the 1970's research on ARIMA and econometrics proceeded independently—with the econometricians assuming a loftier plateau in the intellectual hierarchy. Econometricians were taken aback during the 1970's when several studies showed that simple one-equation ARIMA models generated better forecasts than sophisticated multi-equation econometric models. Econometricians responded to this by incorporating into econometrics the research developed in the time series literature. Advances made the past 10 years have fundamentally changed the way economists do empirical work, especially in macroeconomics and finance. Although many analysts continue to look down on ARIMA modeling, their condescension is mainly a matter of ignorance. ARIMA has proven itself time and again.

#### Part 2. Why ARIMA Forecasting

Econometric modeling is hard to do, and few do it correctly. An analyst not current in such arcane topics as cointegration, unit root tests, spurious regressions, random walks, asymptotic distribution theory, specification analysis, autoregressive con-

ditional heteroskedasticity (ARCH), and nonlinear regression is bound to go astray and come up with sub-optimal forecasts. The sheer difficulty of doing econometric modeling is reason enough to settle on a simpler approach. But it is not the only reason.

ARIMA models in many cases provide better short-term forecasts than sophisticated multi-equation econometric forecasts. ARIMA models are designed to capture a variable's dynamics. Econometric models are designed to measure causality. Since most variables are highly persistent (i.e. dynamic)—their future course is driven by the recent past, it's not surprising that ARIMA frequently outperform regressions models. One could, of course, make an econometric model dynamic by adding lagged values of the dependent variable (in fact, it is becoming standard to do so). Nonetheless, it is difficult to incorporate the rich dynamic structure that characterizes a typical ARIMA model into an econometric model.

Simplicity and forecast accuracy are the main reasons for using ARIMA. Others include:

- (a) when one knows little about the variable one is forecasting.
- (b) For benchmark forecasting. (If an econometric model cannot out-forecast the benchmark, it is mis-specified and needs to be revised.)
- (c) To forecast exogeneous variables used in econometric models.
- (d) When one wishes to compute confidence intervals. (ARIMA confidence intervals are easier to compute and generally are smaller than an econometric forecast interval.)
- (e) When one does not have the data required to build an econometric model.
- (f) When the forecast combines methodologies. Often, a forecast that combines methodolo-

gies—say econometric and ARIMA models, is better than either one alone.

An analyst should consider four factors before going with an ARIMA forecast. First, ARIMA forecasting requires a lot of data. For quarterly data, one should have at a minimum 10 years of data. If one does not have enough observations, another forecasting methodology should be considered. Second, the guiding principle is parsimony—to come up with a model with few parameters. Third, the model should only be used for shortterm forecasting—certainly not more than eight quarters ahead if one is using quarterly data, and preferably not more than four quarters ahead. Since ARIMA models simply extrapolate the past, a long-term forecast is likely to be unreliable, especially if there is a turning point. Finally, one should feel free to subjectively revise the forecast estimate in light of new information. In fact, "add factors" are essential if one wishes to arrive at a good forecast.

## Part 3.A How to do an ARIMA Forecast: Identification

An ARIMA forecast is a four step process. First, the model is identified (identification). Second, the model is estimated (estimation). Third, the model is checked for flaws (diagnostic checking). Fourth, a forecast is made (forecasting). Each of these steps raises different complications. For simplicity, each step will be explained using taxable retail sales in King, Spokane, Clark, and Whatcom Counties as examples. These counties were selected because different fundamentals drive economic activity in each county.

Before any analysis, the data are converted to real value by deflating by the implicit price deflator. Although one could estimate the model in nominal terms, relationships are better captured when economic behavior is estimated in real terms. The model, therefore, forecasts real taxable sales. Forecast values are later converted to nominal

numbers using the Forecast Council's quarterly forecast of the implicit price deflator.

Step 1 in any empirical work is to chart the data. Eyeballing its key features—its trends, seasonal and cyclical components, variability, irregularities, and turning points, is the most important step in empirical work, one many skim over. Charts 4.1- 4.4 show real taxable retail sales for King, Pierce, Snohomish and Spokane Counties for the first quarter of 1971 through the second quarter of 1995 (in 1987 dollars). The thin line is the actual series. The bold line is the seasonally adjusted series.

These series have three features one often comes across with economic time series. First, they are growing over time. Second, their seasonal factors are pronounced. Third, they become choppier over time. Before developing a model, the data must be filtered to remove all three features. After the model is estimated, the forecast is refiltered to add these features back in.

Since the variance is growing over time, later observations are given more weight in estimating a model. This is undesirable. To mitigate this, the data are usually run in logs. Alternatively, one could filter the data by taking square roots. The upward trend also gives later observations more weight. Differencing the series usually corrects this shortcoming. If, after differencing, the series still has a trend (in technical terms, if the data are not stationary), the data should be differenced again. Almost always, differencing once is sufficient. The series cycle means fourth quarter sales are given more weight than sales in other quarters (sales are higher in the fourth quarter mainly because of Christmas). To adjust for this, the data are usually seasonally differenced.

Let R represent retail sales (logged-differencedand-seasonally differenced) in period t. The object of ARIMA is to forecast sales by estimating the following model:

$$R_t = A_0 + A_1 R_{t-1} + A_2 R_{t-2} ... A_p R_{t-p} + e_t + B_2 e_{t-1} + B_2, e_{t-2} + ... B_q e_{t-q} + D$$

Where the A's and B's are parameters to be estimated, e is the error term, and D is an intervention variable. The intervention variable—a dummy variable—was added to account for the fact that food sales were taxable before 1978 and during 1982.

The object of ARIMA forecasting is to select a p and q that result in white noise residuals. If the residuals are not white noise, there is something systematic in the data not being accounted for. Ideally, p and q should be small. Experience shows that letting p and q equal one is often enough to deliver white noise residuals. Experience also shows that adding more parameters—adding more lags—to a white noise process will not improve forecast performance, even if the more elaborate model has better statistical properties

ARIMA modeling is two parts method and one part art. There is no one rule one can use to select the right model—and not all practitioners will arrive at the same model.

#### Part 3.B Estimation

At one time, estimating an ARIMA model was a difficult step. Now, with packaged software, it is relatively simple. The issue now is what software package to use. If the model only contains autoregressive components, then one simply needs software that will do multiple regression analysis. Most spreadsheet programs have this capability. If the model contains a moving average component, estimating the model will require specialized software. Three popular packages used by economists are RATS, TSP and SAS. All are available for Macintoshes and for DOS and Windows based systems. RATS and TSP sell for under \$500, and SAS for under \$1,000. Student versions of RATS and TSP are available for about \$100. This researcher has found RATS to

be the superior package for time series analysis. Its superiority, however, is not overwhelming. If one already feels comfortable with a package, he should stick with it.

#### Part 3.C Diagnostic Checking

Diagnostic checking mainly involves studying whether the residuals are random (white noise). If the residuals have been generated by white noise, the forecast cannot be improved upon. The sources at the end provide a battery of simple tests used to evaluate an ARIMA model.

#### **Part 3.D Forecasting**

Charts 4.5. and 4.6, forecasts for Washington state and Whatcom County, are an example of ARIMA at its best and at its worst. The solid bold lines are seven-year forecasts for 1990 through 1997, based on data for 1971-1989. The bold dashed line is a series of one-year forecasts made for 1990 through 1995. The bold gray line is the latest forecast through 1997. The thin line is the actual series.

The ARIMA model for Washington was differenced and seasonally differenced once, and included a seasonal moving average and autoregressive term, and a one lag autoregressive and moving average term. The ARIMA model for Whatcom was also difference and seasonally differenced once, and included a one lag moving average and autoregressive term.

The forecasts for Washington—even the sevenyear one, are good. On average, the one-year forecast is off 1.08 percentage points from the actual values. Note that the forecast methodology forecasts seasonal variation. The forecasts for Whatcom are not nearly as good. The seven-year forecasts veer further and further away from the actual line over time—to the point of absurdity. Even the one-year forecasts are troublesome. On average, the forecast is off by 2.67 percent. In 1992, however, the forecast was off by over 5 percent.

The Whatcom County chart illustrates the greatest danger of working with an ARIMA model: missing a turning point. ARIMA models extrapolate the past—the trend, seasonal components, and correlation with the past—especially the recent past. If there is a turning point, ARIMA will not pick it up. The result will be a bad forecast, one that gets progressively worse as the forecast horizon goes on.

This drawback of ARIMA is not as damaging as some critics claim. Turning points are difficult to forecast. In fact, in most econometric models turning points are exogeneously placed there by the forecaster based on his subjective judgment. If the turning point does not materialize, the result is a biased forecast. Furthermore, most long-term forecasts do not include turning points since forecasting more than two years in advance is too difficult.

The Whatcom forecast illustrates two lessons ARIMA practitioners should follow. First, one should be wary of forecasting long term with ARIMA. Second, a researcher should be scrupulously methodical in coming up with the best model. But after he settles on a model, he should never take it too seriously and should feel free to subjectively adjust the forecast in light of better information and common sense.

The forecast for the other counties are summarized in Table 1. All variables forecast were differenced, seasonally differenced, and logged. The King County model also included a seasonal moving average and autoregressive component, and a one-period moving average and autoregressive component (the same specification as that of Washington State model). The Whatcom County model included a one-period autoregressive and moving average component. The Clark County included a one period moving average compo-

nent. And the Spokane model included a one-period autoregressive component.

#### Part 4.A A Shortcut

ARIMA forecasting requires intuition, expertise, experience, good software and a powerful computer. Most analysts lack at least one of these. Fortunately, there is a shortcut that will, in most cases, deliver good forecasts. All that is required is software capable of doing simple regression analysis. Most spreadsheets, including Lotus, Excel, and Quattro Pro come equipped with this.

The procedure involves taking the raw series and:

- (1) take its natural log
- (2) seasonally difference it once
- (3) difference it once
- (4) Regress the result against its eight lags
- (5) Base the forecast on this model.

The resulting forecast for the four counties is given in Table 4.2. Note that the results for Spokane and Whatcom Counties are better than one would get with a more parsimonious ARIMA model. The results for Washington State and King County are not nearly as good as the ARIMA forecast, but the margin of errors is not large.

The reason this strategy delivers "satisfactory" forecasts is because of a technical theorem called Wold's decomposition. Wold's decomposition implies that most economic time series (after filtering) can be well approximated with an autoregressive model with several lags.

#### Part 4.B How Good Are these Forecasts?

The 8-lagged forecasts presented here were about 2 percentage points of the realized values on aver-

age, although in some years the estimates were up to 10 percent off the mark. Are these margins of error acceptable? There is no way to answer this question without having an alternative forecast with which to compare it with. Three points, however, are worth considering. First, the acceptable margin of error depends on the penalties one will pay if wrong. If the costs of a wrong forecast are high, one will want to invest time and resources in making a more sophisticated forecast. It would also be prudent, however, to augment a more sophisticated procedure with a simple rule of thumb procedure outlined here. Second, retail sales are a volatile series—and a more sophisticated methodology may deliver better forecasts—but the forecasts will not be all that better. Third, the 8-lagged forecasts should be seen as a starting point. One could start with an 8-lagged equation (some suggest 12 lags—see Granger and Newbold), and then start trimming it down by, say, dropping variables with the most insignificant coefficients. After arriving at a final equation, the next step would be to subjectively adjust it in light of other information. Generally one will want to adjust the forecast to make it more conservative, since the costs of forecasting too high are usually higher the costs of forecasting too low.

#### **Part 5.B Conclusion**

This article is intended to encourage novices to learn more about ARIMA forecasting. It also is meant to provide a shortcut to those who lack the time, budget, or expertise to do a sophisticated forecast of county retail economic activity. The methodologies discussed can be applied to several data sets published by the Department of Revenue (DOR), including any of 42 components of retail sales for any county and most large cities in Washington. It can also be used to forecast Business and Occupation activity (i.e. total sales) for over 250 industrial categories published by the DOR.

There are dozens of excellent text books on Time Series forecasting. In order of preference, this author has found the following three to be the best.

#### Suggested Readings:

- (1) Econometric Models and Economic Forecasts, Robert S. Pindyck & Daniel L. Rubenfeld, McGraw Hill 1991.
- (2) Granger, C.W.J. and Paul Newbold, Forecasting Economic Time Series Academic Press Inc.

For the truly ambitious:

(3) Time Series Analysis, James D. Hamilton, Princeton University Press.

Special Report: Chapter 5

#### Washington and U.S. Per Capita Personal Income Growth

This paper is the latest in a series which examines trends in Washington and U.S. per capita personal income. As in the earlier papers, the purpose of this study is to analyze the causes of divergent trends in per capita income growth between Washington State and the United States by decomposing per capita income into its constituent parts. Regional differences in per capita income can be attributed to differences in per capita earnings income and differences in per capita non-earnings income. Differences in per capita earnings income can be further broken down into differences in average earnings (earnings/employment) and differences in the job ratio (employment/population.) Finally, differences in average earnings can be attributed to differences in industry mix and differences in average earnings within industries (differential regional earnings.) For a detailed discussion of the methodology, please refer to "Divergent Trends in Per Capita Personal Income" published in the November 1990 Economic and Revenue Forecast.

Chart 5.1 shows that Washington's per capita income has generally been above the national average. Washington's per capita income was close to U.S. per capita income in the early seventies in the wake of massive layoffs in the aerospace industry. Later in that decade, though, Washington's per capita income relative to the U.S. fully recovered. As Chart 5.2 illustrates, Washington's per capita income growth exceeded U.S. growth in every year of the seventies except 1970 and 1977. By 1979, Washington's per capita income was 8.5 percent higher than U.S. per capita income. Washington per capita income growth was lower than the national average during most of the eighties, however. By 1988, Washington's per capita income was only 0.4 percent higher than U.S. per capita income. Washington's economy was much stronger than the national economy

from 1989 through 1992, creating yet another reversal in relative per capita income growth. Despite some slippage in the last two years, Washington per capita income was 3.9 percent higher than the national average in 1994.

#### **Industry Mix**

Chart 5.3 compares overall average earnings per job in Washington to U.S. average earnings. Until the eighties, average earnings in Washington exceeded U.S. average earnings. During that decade, however, Washington earnings declined sharply relative to U.S. earnings, falling below the national average. Washington's average earnings relative to the U.S. have since recovered some of the lost ground. Since 1991, there has been almost no difference between Washington and U.S. average earnings.

As mentioned above, differences in average earnings can result from differences in the mix of industries or from differences in average earnings within particular industries. In order to quantify the effect of industry mix on average earnings, a hypothetical earnings series has been calculated for Washington. Washington hypothetical earnings are those which would have occurred if all Washington employment in each industry had been compensated at the national rate of average earnings. Average earnings were calculated at as disaggregated a level as possible, generally at the two-digit SIC level. Since both the U.S. actual average earnings and Washington hypothetical average earnings are calculated using the same (U.S.) average earnings by industry, the differences between the two are due only to differences in industry mix between the two regions.

Chart 5.4 illustrates the effect of differences in the mix of industries in Washington from the national

mix. While the gap has varied, Washington hypothetical average earnings have been consistently lower than U.S. average earnings, implying that industry mix is unfavorable to Washington relative to the nation. In other words, if Washington average earnings in each industry were identical to U.S. average earnings, Washington's overall average earnings would be lower than national average earnings by virtue of the fact that Washington has a smaller share of employment in the relatively higher paying sectors of the economy. The gap was narrowest at the height of the Boeing boom in 1989 and 1990 but has widened again with the cutbacks at Boeing. In 1994, the highest paid industries in the U.S. were mining; transportation and utilities; manufacturing; and wholesale trade. Average earnings in each of these exceeded overall average earnings by at least 30 percent. Washington had a smaller share of employment in each of these industries, except wholesale trade, than did the nation. The industries that paid at least 30 percent less than the overall average were agricultural services, retail trade, and farming. Washington's share of employment in each of these exceeded the national average in 1994. In 1994, the unfavorable industry mix in Washington resulted in average earnings that are 1.7 percent lower than they would have been with the U.S. industry mix, reducing per capita income by 1.2 percent.

#### **Differential Regional Earnings**

Differential regional earnings refers to the impact of differences in average earnings per job between regions excluding differences in industry mix. This component is measured by comparing Washington hypothetical average earnings with Washington actual average earnings. Both these series are calculated with Washington employment patterns so industry mix is not a factor. Washington hypothetical average earnings is calculated with U.S. average earnings by industry while the Washington actual average earnings is calculated with Washington average earnings by industry.

Chart 5.5 illustrates average earnings trends in Washington State and the United States. Washington's average earnings, excluding mix effects, have historically been much higher than the U.S. average. At the peak in 1980, Washington's overall average earnings were 8.4 percent higher than they would have been with U.S. average earnings on an industry by industry basis. Washington's average earnings declined relative to U.S. average earnings for the next eight years, however. By 1988, Washington actual average earnings were 2.8 percent lower than hypothetical average earnings. Washington average earnings have recovered some of the lost ground since 1988, however. Most of the improvement in relative wages occurred between 1988 and 1991, a period during which the Washington economy outperformed the U.S. economy by a wide margin. In 1994, Washington average earnings were 1.4 percent above the comparable national rate, adding 1.0 percent to Washington's per capita income relative to national per capita income.

The measure of prices used in this report and elsewhere in this publication to convert current dollars to constant dollars is the U.S. implicit price deflator for personal consumption expenditures. To a large extent, however, differences in regional wage growth reflects differences in regional inflation. In Chart 5.6, Washington average earnings were deflated with the Seattle area consumer price index (CPI) while the hypothetical series, representing national wages, was adjusted with the U.S. CPI. Both the Seattle and U.S. CPI's measure price levels compared to the base period of 1982-84. No inference about the relative levels of real earnings can be drawn from this chart, however, since we do not know the relative cost of living in the base period. Nevertheless, Chart 5.6 clearly shows that Washington's real earnings declined sharply relative to U.S. real earnings in the early eighties and have remained lower through good times and bad. It could be that this sea change was the inevitable result of real wage differentials being eliminated through migration. This theory does not explain why this

differential persisted for decades prior to the eighties only to be suddenly eliminated in a few years, however. A more plausible explanation relates to "quality of life" concerns such as pollution, congestion, and crime, which affect the standard of living but are not reflected in price indices such as the CPI. If the perceived quality of life in Washington rose relative to the quality of life elsewhere, then migration should result in a decline in the relative real wage rate.

#### **Job Ratio**

The job ratio is simply the ratio of the number jobs in the region to the population. Regional differences in the job ratio are as important as differences in average earnings in terms of their contributions to relative per capita income. Differences in the job ratio can result from differences in the unemployment rate, differences in labor force participation, and differences in multiple job holding. As Chart 5.7 illustrates, there is an upward trend in the job ratio for both Washington and the United States due to increasing rates of labor force participation.

Prior to the late eighties, Washington's job ratio was very similar to the nation's. The only notable exception was in the early seventies when the Boeing bust led to a dearth of jobs in Washington on a per capita basis. The Washington and national job ratios began to diverge in the late eighties, though. As the U.S. economy slowed, Washington's economy actually accelerated and when the national recession began, Washington's economy continued to grow. Washington's job ratio peaked in 1990, the same year as the peak in the U.S. job ratio. While the number of jobs continued to grow, the population rose even faster. Washington's job ratio was 3.6 percent higher than the U.S. job ratio in 1994, adding 2.6 percent to Washington's per capita income relative to the nation.

The job ratio is driven mainly by the unemployment rate. As Chart 5.8 shows, Washington's un-

employment rate is normally one to two percentage points higher than the U.S. unemployment rate. The much higher Washington unemployment rate in the early seventies corresponds to the low job ratio in the same period. Washington's unemployment rate dropped below the U.S. rate in 1990 and 1991. At the same time, Washington's job ratio rose well above the national average. While the unemployment rate in Washington is now slightly higher than the U.S. rate, the gap is smaller than normal, indicating that the Washington labor market is still relatively tight.

#### **Per Capita Non-Earnings Personal Income**

The final factor affecting relative per capita income is per capita non-earnings income. Non-earnings income consists of transfer payments, property income (dividends, interest, and rent), a residence adjustment, and personal contributions for social insurance (a negative component.) Chart 5.9 shows that the level of Washington per capita non-earnings income has exceeded the nation since 1969. Overall, Washington's per capita non-earnings income in 1994 was 5.7 percent higher than the U.S. average, adding 1.6 percent to Washington per capita income relative to the nation.

As Chart 5.10 illustrates, Washington's non-earnings per capita income exceeded the U.S. average in 1994 by \$342. In spite of the fact that it is a minor component of personal income, the residence adjustment accounted for most (\$236) of the difference. Residence adjustment is a significant positive for Washington State (more Washington residents commute to work out of state than vice versa) while it is a small negative for the nation. Washington also had higher per capita property income but lower transfer payments than the average U.S. resident. Washington residents contributed less on a per capita basis for social insurance than the national average. Since personal contributions for social insurance are deducted from personal income, this is a plus for Washington's relative per capita income.

## **Component Contributions to Per Capita Personal Income Growth**

Charts 5.11 through 5.14 show the four basic determinants of per capita income in terms of their contributions to Washington's relative per capita income growth. The sum of these components is the difference between Washington per capita income growth and U.S. per capita income growth. Probably the most overrated determinant of relative per capita income growth is industry mix. This component was a slight positive during the Boeing expansion of the late eighties but has turned negative in the nineties. Changes in industry mix have had little impact on overall average earnings and per capita income, however. Swings in average earnings within particular industries have had a much more pronounced impact on per capita income, as illustrated in Chart 5.12. Unlike the industry mix component, differential regional earnings were a drag on Washington per capita income growth through most of the eighties, turning positive only in 1989. Since then, though, strong average earnings growth has boosted Washington per capita income growth relative to the U.S. in every year except 1994. The job ratio has also been an important factor in relative per capita income growth in shown in Chart 5.13. The job ratio was also a substantial source of Washington's per capita income growth relative to the U.S. during the boom in the second half of the eighties and continued to improve in the early nineties as Washington avoided the national recession. While the level of Washington's job ratio remains much higher than the U.S. ratio, it has lagged in terms of growth in the last two years. The result has been a drag on relative per capita income growth. The final determinant of relative per capita income, per capita non-earnings income, has had little effect on relative per capita income growth, as can be seen in Chart 5.14. While the level of per capita non-earnings income is higher in Washington, the growth rate tends to be fairly close. In addition, non-earnings sources of personal income represent less than 30 percent of total personal income, further limiting the impact

relative non-earnings income growth has on relative total personal income growth.

## The Outlook for Washington Relative Per Capita Income Growth

Charts 5.15 and 5.16 indicate the outlook for Washington per capita income growth relative to the U.S. in the November 1995 economic forecast. There are some differences in the concepts shown in these charts from the previous charts because the concepts in the economic forecast are not identical to the history provided by the Commerce Department in its state annual personal income estimates. The Washington population estimate used in the forecast is provided by Washington's Office of Financial Management rather than the Commerce Department. Also, total earnings and total employment are not available in the forecast. Total wage and salary disbursements and nonfarm wage and salary employment were used to calculate an average wage estimate. Finally, since average wages by industry are not available in the U.S. economic forecast, it was not possible to separate the industry mix effect from differential regional earnings.

Chart 5.15 shows that the November economic forecast expects Washington's per capita income to remain higher than the national average throughout the forecast horizon. The forecast expects per capita income growth in Washington to lag the nation in 1995, primarily as a result of slower growth in the job ratio. Washington is experiencing deep cutbacks in both aerospace and Hanford related employment in 1995 but local population growth continues to outpace U.S. population growth. Preliminary Commerce Department estimates through the second quarter of 1995 indicate that Washington per capita nonwage income is also growing more slowly than in the U.S. as a whole but that average wages in Washington are growing at about the national rate. Overall, Washington real per capita personal income is expected to grow 1.9 percent in 1995 compared to the national rate of 2.8 percent.

The November forecast expects Washington's total per capita income and each of its components to grow at about the national average rate in 1996 and 1997. The majority of the aerospace and Hanford cutbacks have already occurred and population growth has slowed. As a result, the job ratio is not expected to deteriorate relative to the U.S. job ratio. Both wage and price growth in the local area have slowed in recent years to about the national average rate. This trend is expected to continue through 1997. Per capita non-wage income is also expected to parallel the U.S. trend. Washington real per capita income is expected to increase 1.6 percent in 1996 and 1.2 percent in 1997 compared to the national growth rates of 1.5 percent and 1.2 percent.

# U.S. and Washington Per Capita Personal Income 1969 to 1994

CHART 5.1

Real Per Capita Income

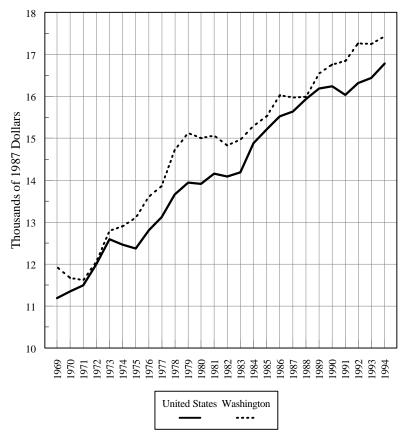
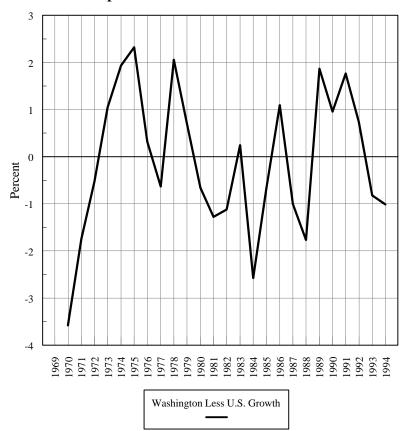


CHART 5.2 Relative Per Capita Personal Income Growth



## **Determinants of Relative Per Capita Personal Income**

CHART 5.3 **Average Earnings** 

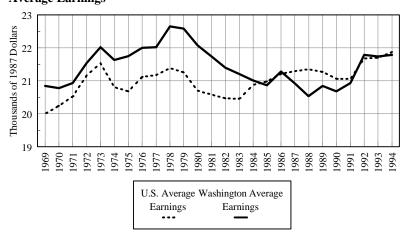


CHART 5.5

Differential Regional Earnings

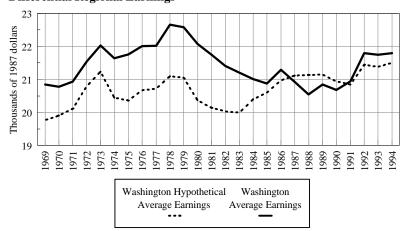


CHART 5.4 **Industry Mix** 

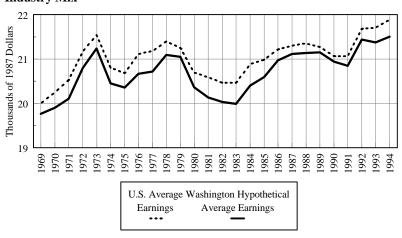
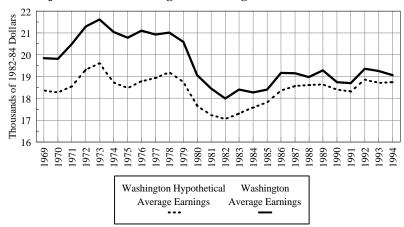


CHART 5.6
CPI Adjusted Differential Regional Earnings



## **Determinants of Relative Per Capita Personal Income**

CHART 5.7 **Job Ratio** 60 55 Percent 45 1978 1980 1981 1982 1984 1985 1986 1990 1990 1990 1993 U.S. Washington

CHART 5.9 Per Capita Non-Earnings Personal Income

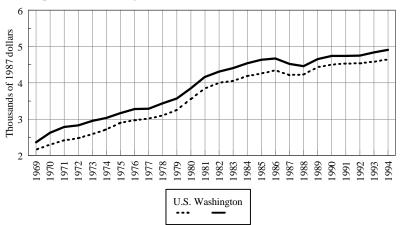
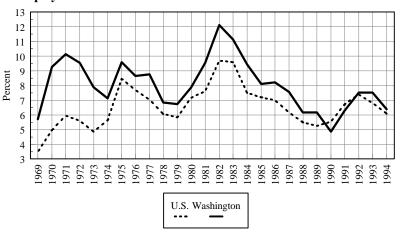
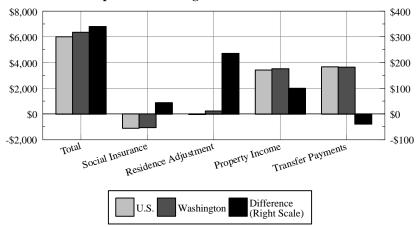


CHART 5.8 **Unemployment Rate** 



**CHART 5.10** Sources of Per Capita Non-Earnings Personal Income in 1994



## **Component Contributions to Relative Per Capita Personal Income Growth**

CHART 5.11 **Industry Mix** 

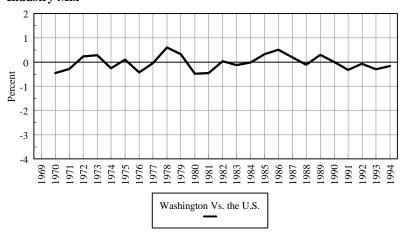
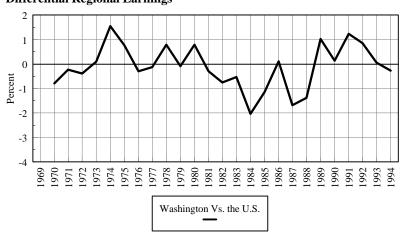


CHART 5.12 **Differential Regional Earnings** 



**CHART 5.13** 

Job Ratio

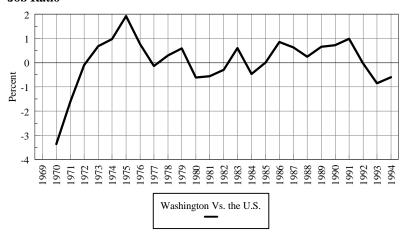
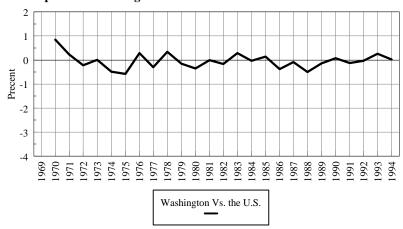


CHART 5.14

#### Per Capita Non-Earnings Personal Income



# U.S. and Washington Per Capita Personal Income Forecast 1994 to 1997

CHART 5.15
Real Per Capita Income

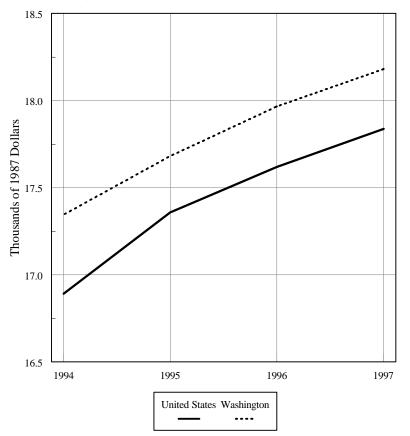
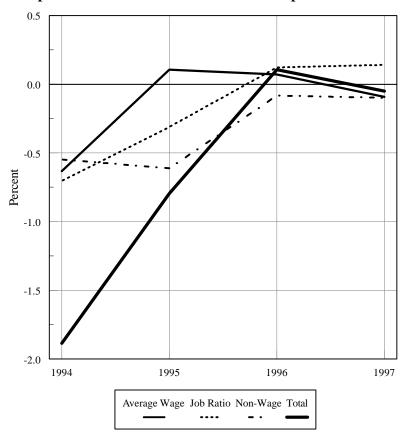


CHART 5.16
Component Contributions to Relative Per Capita Income Growth



# Detail Components of the Washington Economic Forecast

**Calendar Years** 

TABLE 1.1

U.S. Economic Forecast Summary
Forecast 1995 to 1997

	1990	1991	1992	1993	1994	1995	1996	1997			
Real National	Income Ac	counts (H	Billions o	f 1987 D	ollars)						
Real Gross Domestic Product	4897.3	4867.7	4979.3	5134.5	5344.0	5504.2	5635.8	5784.2			
% Ch	1.2	-0.6	2.3	3.1	4.1	3.0	2.4	2.6			
Real Consumption	3272.6	3259.4	3349.5	3458.7	3579.6	3686.4	3801.6	3896.0			
% Ch	1.5	-0.4	2.8	3.3	3.5	3.0	3.1	2.5			
Real Nonresidential Fixed Investment % Ch	546.5 1.2	515.5 -5.7	525.9 2.0	591.6 12.5	672.4 13.7	766.8 14.0	802.9 4.7	835.2 4.0			
Real Residential Fixed Investment	194.5	169.5	197.0	213.1	231.4	225.6	227.7	225.6			
% Ch	-9.2	-12.9	16.2	8.2	8.6	-2.5	0.9	-0.9			
Real Personal Income	4067.0	4059.4	4174.0	4245.5	4409.3	4575.2	4687.8	4789.8			
% Ch	1.5	-0.2	2.8	1.7	3.9	3.8	2.5	2.2			
Real Per Capita Income (\$/Person)	16,251	16,043	16,319	16,428	16,891	17,358	17,618	17,838			
% Ch	0.4	-1.3	1.7	0.7	2.8	2.8	1.5	1.2			
Price and Wage Indexes											
U.S. Implicit Price Deflator (1987=1.0)	1.149	1.197	1.235	1.266	1.293	1.322	1.353	1.388			
% Ch	5.2	4.2	3.1	2.5	2.1	2.3	2.3	2.5			
U.S. Consumer Price Index (1982-84=1.0)	1.308	1.363	1.404	1.446	1.483	1.526	1.571	1.618			
% Ch Employment Cost Index (June 1989=1.0)	5.4 1.048	4.2 1.088	3.0 1.119	3.0 1.151	2.6 1.186	2.9 1.220	2.9 1.261	3.0 1.300			
% Ch	4.2	3.8	2.9	2.9	3.0	2.9	3.4	3.0			
Current Dol						2.7	3.4	3.0			
Gross Domestic Product	5546.1	5724.8	6020.3	6343.3	6738.4	7068.8	7391.4	7747.0			
% Ch	5.6	3.2	5.2	5.4	6.2	4.9	4.6	4.8			
Personal Income	4673.8	4860.3	5154.4	5375.1	5701.7	6050.1	6343.0	6646.2			
% Ch	6.7	4.0	6.1	4.3	6.1	6.1	4.8	4.8			
<b>Employment (Millions)</b>											
U.S. Civilian Labor Force	124.8	125.3	127.0	128.0	131.0	132.5	134.6	136.7			
Total U.S. Employment	117.9	116.9	117.6	119.3	123.1	125.1	126.9	128.6			
Unemployment Rate (%)	5.53	6.74	7.39	6.81	6.08	5.63	5.73	5.87			
Wage and Salary Employment	109.42	108.26	108.60	110.73	114.03	116.63	118.82	120.70			
% Ch	1.4	-1.1	0.3	2.0	3.0	2.3	1.9	1.6			
Manufacturing	19.08	18.41	18.11	18.08	18.30	18.40	18.23	18.05			
% Ch	-1.6	-3.5	-1.6	-0.2	1.3	0.5	-0.9	-1.0			
Durable Manufacturing	11.11	10.57	10.28	10.22	10.43	10.58	10.44	10.26			
% Ch	-2.5	-4.9	-2.8	-0.5	2.0	1.4	-1.3	-1.7			
Nondurable Manufacturing % Ch	7.97 -0.4	7.84 -1.6	7.83 -0.1	7.86 0.3	7.87 0.2	7.82 -0.7	7.79 -0.4	7.78 -0.0			
Nonmanufacturing	90.34	89.85	90.49	92.65	95.72	98.23	100.60	102.65			
% Ch	2.1	-0.5	0.7	2.4	3.3	2.6	2.4	2.0			
Services	27.93	28.33	29.05	30.19	31.48	32.82	34.05	35.28			
% Ch	3.8	1.4	2.5	3.9	4.3	4.2	3.8	3.6			
	Miscellan										
Auto Sales (Millions)	9.5	8.4	8.4	8.7	9.2	8.8	9.0	9.0			
% Ch	-4.2	-11.7	-0.4	4.3	5.9	-4.5	2.0	0.6			
Housing Starts (Millions)	1.203	1.009	1.201	1.296	1.446	1.342	1.298	1.258			
% Ch	-12.9	-16.2	19.1	7.9	11.5	-7.2	-3.2	-3.1			
Federal Budget Surplus (Billions)	-163.5	-202.9	-282.7	-241.4	-159.1	-148.5	-157.4	-134.2			
Net Exports (Billions)	-71.4	-19.9	-30.3	-65.3	-98.2	-119.2	-125.1	-106.0			
3-Month Treasury Bill Rate (%)	7.49	5.38	3.43	3.00	4.25	5.50	4.90	4.88			
30-Year U.S. Govt. Bond Rate (%)	8.61	8.14	7.67	6.60	7.37	6.97	6.38	6.31			
Mortgage Rate (%)	10.13	9.25	8.40	7.33	8.36	8.02	7.50	7.57			

TABLE 1.2

# **U.S. Economic Forecast Summary** Forecast 1995 to 1997

	1992:1	1992:2	1992:3	1992:4	1993:1	1993:2	1993:3	1993:4
Real National 1	Income Ac	counts (F	Rillions o	f 1987 D	ollars)			
Real Gross Domestic Product	4918.5	4947.5	4990.5	5060.7	5075.3	5105.4	5139.4	5218.0
% Ch	3.1	2.4	3.5	5.7	1.2	2.4	2.7	6.3
Real Consumption	3311.4	3325.4	3357.6	3403.4	3417.2	3439.2	3472.2	3506.2
% Ch	5.8	1.7	3.9	5.6	1.6	2.6	3.9	4.0
Real Nonresidential Fixed Investment	506.8	524.8	531.2	540.9	560.3	581.0	597.9	627.2
% Ch	-0.1	15.0	5.0	7.5	15.1	15.6	12.2	21.1
Real Residential Fixed Investment	186.7	196.5	196.9	207.7	210.4	206.3	211.0	224.5
% Ch	22.4	22.7	0.8	23.8	5.3	-7.6	9.4	28.2
Real Personal Income	4121.5	4141.2	4161.8	4271.4	4181.0	4244.1	4255.4	4301.6
% Ch Paul Par Capita Income (\$/Parson)	4.7 16.178	1.9 16,212	2.0 16,250	11.0 16,635	-8.2 16,241	6.2 16,443	1.1 16,445	4.4 16,582
Real Per Capita Income (\$/Person) % Ch	3.6	0.8	0.9	9.8	-9.2	5.1	0.1	3.4
70 CII	Price and			9.0	-9.2	3.1	0.1	3.4
U.S. Implicit Price Deflator (1987=1.0)	1.221	1.232	1.237	1.249	1.257	1.264	1.268	1.275
% Ch	3.3	3.7	1.237	3.9	2.6	2.2	1.208	2.2
U.S. Consumer Price Index (1982-84=1.0)	1.388	1.398	1.409	1.421	1.432	1.442	1.448	1.460
% Ch	2.7	3.1	3.1	3.5	3.0	3.0	1.7	3.3
Employment Cost Index (June 1989=1.0)	1.110	1.116	1.121	1.130	1.139	1.146	1.156	1.164
% Ch	3.3	2.2	1.8	3.3	3.2	2.5	3.5	2.8
Current Dol	lar Nationa	al Incom	e (Billion	s of Doll	ars)			
Gross Domestic Product	5896.8	5971.3	6043.6	6169.3	6235.9	6299.9	6359.2	6478.1
% Ch	7.1	5.2	4.9	8.6	4.4	4.2	3.8	7.7
Personal Income	5032.4	5101.9	5148.1	5335.0	5255.5	5364.5	5395.9	5484.6
% Ch	8.2	5.6	3.7	15.3	-5.8	8.6	2.4	6.7
	Employ	nent (Mi	llions)					
U.S. Civilian Labor Force	126.3	127.1	127.3	127.2	127.4	127.9	128.2	128.7
Total U.S. Employment	117.1	117.6	117.8	118.0	118.4	119.0	119.5	120.3
Unemployment Rate (%)	7.27	7.50	7.50	7.30	7.03	6.93	6.73	6.53
Wage and Salary Employment	108.09	108.45	108.72	109.13	109.71	110.35	111.02	111.82
% Ch	-0.2	1.3	1.0	1.5	2.2	2.4	2.4	2.9
Manufacturing	18.12	18.14	18.10	18.06	18.10	18.06	18.05	18.10
% Ch	-3.4	0.3	-0.7	-0.9	0.8	-0.8	-0.3	1.1
Durable Manufacturing	10.31	10.31	10.27	10.23	10.24	10.20	10.19	10.25
% Ch	-5.0	-0.1	-1.6	-1.3	0.5	-1.6	-0.4	2.2
Nondurable Manufacturing	7.81	7.83	7.84	7.83	7.86	7.86	7.86	7.85
% Ch	-1.3	0.9	0.4	-0.4	1.3	0.3	-0.3	-0.4
Nonmanufacturing	89.97	90.31	90.62	91.06	91.61	92.29	92.97	93.72
% Ch	0.4	1.5	1.4	2.0	2.4	3.0	3.0	3.3
Services	28.69	28.91	29.16	29.44	29.74	30.06	30.34	30.63
% Ch	1.8	3.0	3.5	4.0	4.1	4.3	3.8	3.9
	Miscellan				0.0	0.0	o =	
Auto Sales (Millions)	8.3	8.4	8.2	8.4	8.3	8.9	8.7	9.0
% Ch	4.9	2.8	-7.6	9.7	-5.3	33.1	-12.1	15.4
Housing Starts (Millions)	1.241	1.153 -25.6	1.184	1.228	1.160 -20.6	1.245 32.7	1.308	1.473
% Ch Federal Budget Surplus (Billions)	69.9 -279.9	-25.6 -284.8	11.2 -293.9	16.0 -272.1	-20.6 -283.5	-237.0	21.8 -224.9	61.1 -220.1
Net Exports (Billions)	-219.9 -9.9	-284.8	-293.9 -37.8	-272.1 -42.2	-283.3 -49.6	-237.0 -63.3	-224.9 -77.0	-71.2
Net Exports (Billions)	-9.9	-31.2	-37.8	-42.2	-49.0	-03.3	-//.0	-/1.2
3-Month Treasury Bill Rate (%)	3.89	3.68	3.08	3.07	2.96	2.97	3.00	3.06
30-Year U.S. Govt. Bond Rate (%)	7.80	7.90	7.44	7.53	7.08	6.86	6.32	6.13
Mortgage Rate (%)	8.71	8.68	8.01	8.20	7.72	7.45	7.08	7.05

TABLE 1.2

# **U.S. Economic Forecast Summary** Forecast 1995 to 1997

	1994:1	1994:2	1994:3	1994:4	1995:1	1995:2	1995:3	1995:4			
Real National 1	Income Ac	counts (E	Billions o	f 1987 D	ollars)						
Real Gross Domestic Product	5261.1	5314.1	5367.0	5433.8	5470.1	5487.8	5518.0	5541.0			
% Ch	3.3	4.1	4.0	5.1	2.7	1.3	2.2	1.7			
Real Consumption	3546.3	3557.8	3584.7	3629.6	3643.9	3674.3	3704.1	3723.2			
% Ch	4.7	1.3	3.1	5.1	1.6	3.4	3.3	2.1			
Real Nonresidential Fixed Investment	643.6	657.9	680.0	708.2	743.6	763.7	775.5	784.2			
% Ch Real Residential Fixed Investment	10.9 229.9	9.2 233.8	14.1 230.2	17.6 231.5	21.5 229.5	11.3 221.2	6.3 223.0	4.6 228.8			
% Ch	10.0	7.0	-6.0	2.3	-3.4	-13.7	3.2	11.0			
Real Personal Income	4343.9	4390.9	4414.5	4487.8	4544.2	4551.6	4584.5	4620.5			
% Ch	4.0	4.4	2.2	6.8	5.1	0.7	2.9	3.2			
Real Per Capita Income (\$/Person)	16,703	16,842	16,891	17,129	17,303	17,289	17,373	17,468			
% Ch	2.9	3.4	1.2	5.8	4.1	-0.3	1.9	2.2			
	Price and	l Wage I	ndexes								
U.S. Implicit Price Deflator (1987=1.0)	1.279	1.289	1.299	1.305	1.312	1.320	1.326	1.332			
% Ch	1.3	3.2	3.1	1.9	2.2	2.5	1.7	1.8			
U.S. Consumer Price Index (1982-84=1.0)	1.468	1.477	1.490	1.498	1.510	1.522	1.531	1.541			
% Ch	2.1	2.6	3.6	2.3	3.1	3.4	2.3	2.6			
Employment Cost Index (June 1989=1.0) % Ch	1.173 3.1	1.183 3.5	1.191 2.7	1.198 2.4	1.206 2.7	1.215	1.225 3.2	1.235 3.5			
% Cn Current Dol						3.0	3.2	3.3			
	6574.7	6689.9	6791.7	6897.2	6977.4	7030.0	7104.9	7162.9			
Gross Domestic Product % Ch	6.1	7.2	6.2	6.4	4.7	3.0	7104.8 4.3	3.3			
Personal Income	5555.8	5659.9	5734.5	5856.6	5962.0	6008.1	6077.5	6152.8			
% Ch	5.3	7.7	5.4	8.8	7.4	3.1	4.7	5.1			
<b>Employment (Millions)</b>											
U.S. Civilian Labor Force	130.7	130.7	131.1	131.7	132.3	132.1	132.4	133.1			
Total U.S. Employment	122.1	122.6	123.2	124.4	125.0	124.6	125.0	125.6			
Unemployment Rate (%)	6.60	6.20	5.97	5.57	5.53	5.70	5.63	5.65			
Wage and Salary Employment	112.65	113.65	114.48	115.33	116.08	116.37	116.79	117.28			
% Ch	3.0	3.6	3.0	3.0	2.6	1.0	1.4	1.7			
Manufacturing	18.18	18.27	18.33	18.44	18.52	18.46	18.34	18.26			
% Ch	1.9	1.9	1.5	2.3	1.8	-1.1	-2.6	-1.7			
Durable Manufacturing	10.33	10.40	10.46	10.55	10.62	10.61	10.57	10.52			
% Ch	3.1	2.8	2.3	3.5	2.7	-0.1	-1.4	-2.0			
Nondurable Manufacturing	7.85	7.87	7.88	7.89	7.90	7.85	7.77	7.74 -1.3			
% Ch Nonmanufacturing	0.3 94.47	0.7 95.38	0.4 96.15	0.7 96.89	0.5 97.56	-2.5 97.91	-4.1 98.44	99.01			
% Ch	3.3	3.9	3.3	3.1	2.8	1.4	2.2	2.3			
Services	30.91	31.32	31.69	32.02	32.39	32.65	32.96	33.27			
% Ch	3.7	5.4	4.8	4.3	4.7	3.4	3.9	3.7			
	Miscellan										
Auto Sales (Millions)	9.4	9.2	9.1	9.2	8.8	8.7	9.1	8.6			
% Ch	23.1	-11.8	-2.6	7.1	-16.5	-5.1	18.4	-20.5			
Housing Starts (Millions)	1.361	1.441	1.471	1.511	1.308	1.283	1.391	1.385			
% Ch	-27.2	25.6	8.8	11.1	-43.9	-7.3	38.2	-1.9			
Federal Budget Surplus (Billions)	-176.2	-145.1	-154.0	-161.1	-148.6	-129.6	-153.6	-162.4			
Net Exports (Billions)	-86.7	-97.6	-109.6	-98.9	-111.1	-124.7	-118.0	-122.8			
3-Month Treasury Bill Rate (%)	3.24	3.99	4.48	5.28	5.74	5.60	5.37	5.28			
30-Year U.S. Govt. Bond Rate (%)	6.56	7.36	7.59	7.96	7.64	6.96	6.72	6.56			
Mortgage Rate (%)	7.30	8.45	8.61	9.10	8.79	7.92	7.70	7.66			

TABLE 1.2

# **U.S. Economic Forecast Summary** Forecast 1995 to 1997

	1996:1	1996:2	1996:3	1996:4	1997:1	1997:2	1997:3	1997:4			
Dool Notional	T A	(T	2112	£ 1007 D	- II)						
Real National						5767.5	5902.1	5027.2			
Real Gross Domestic Product % Ch	5582.1 3.0	5617.7 2.6	5652.6 2.5	5690.6 2.7	5730.0 2.8	5767.5 2.6	5802.1 2.4	5837.2 2.4			
Real Consumption	3765.6	3789.3	3813.5	3838.0	3865.3	3886.7	3905.8	3926.3			
% Ch	4.6	2.5	2.6	2.6	2.9	2.2	2.0	2.1			
Real Nonresidential Fixed Investment	793.6	798.7	806.5	812.7	819.5	828.7	840.1	852.5			
% Ch	4.9	2.6	4.0	3.1	3.4	4.6	5.6	6.0			
Real Residential Fixed Investment	230.6	229.2	226.5	224.6	223.9	224.5	225.6	228.2			
% Ch	3.1	-2.5	-4.6	-3.2	-1.3	1.0	2.0	4.8			
Real Personal Income	4655.4	4675.9	4695.0	4724.8	4760.6	4780.2	4797.0	4821.4			
% Ch	3.0	1.8	1.6	2.6	3.1	1.7	1.4	2.1			
Real Per Capita Income (\$/Person)	17,558	17,594	17,625	17,696	17,790	17,823	17,845	17,896			
% Ch	2.1	0.8	0.7	1.6	2.1	0.7	0.5	1.1			
Price and Wage Indexes											
U.S. Implicit Price Deflator (1987=1.0)	1.339	1.349	1.358	1.366	1.374	1.383	1.392	1.401			
% Ch	2.4	2.9	2.6	2.5	2.5	2.6	2.5	2.5			
U.S. Consumer Price Index (1982-84=1.0)	1.553	1.565	1.577	1.589	1.600	1.612	1.624	1.636			
% Ch	3.1	3.2	3.0	3.0	3.0	3.0	2.9	3.0			
Employment Cost Index (June 1989=1.0)	1.246 3.6	1.257	1.267	1.276 3.1	1.285	1.295	1.305	1.314			
% Ch		3.4	3.2 (D:ll:on		2.9	3.2	2.9	2.9			
Current Dol						77047	7701.0	7077.2			
Gross Domestic Product	7258.7	7350.7 5.2	7435.9	7520.5	7614.9	7704.7	7791.2	7877.3			
% Ch Personal Income	5.5 6235.6	5.2 6307.4	4.7 6374.3	4.6 6454.6	5.1 6543.3	4.8 6612.3	4.6 6676.6	4.5 6752.5			
% Ch	5.5	4.7	4.3	5.1	5.6	4.3	3.9	4.6			
70 CH	Employ			5.1	5.0	7.3	3.7	4.0			
H.C. Civilian Labor Forms				125 /	125.0	126.4	1260	127.4			
U.S. Civilian Labor Force	133.7 126.1	134.3 126.6	134.9 127.1	135.4 127.6	135.9 128.0	136.4 128.4	136.9 128.8	137.4 129.2			
Total U.S. Employment	5.66	5.71	5.76	5.79	5.81	5.84	5.89	5.93			
Unemployment Rate (%)	3.00	3./1	3.70	3.19	3.61	3.64	3.89	3.93			
Wage and Salary Employment	117.97	118.61	119.12	119.59	120.02	120.46	120.92	121.40			
% Ch	2.4	2.2	1.7	1.6	1.5	1.5	1.5	1.6			
Manufacturing	18.25	18.26	18.22	18.18	18.12	18.05	18.02	17.99			
% Ch	-0.4	0.4	-0.9	-1.0	-1.2	-1.5	-0.8	-0.5			
Durable Manufacturing	10.49	10.48	10.42	10.38	10.33	10.27	10.24	10.21			
% Ch	-1.0	-0.6	-2.2	-1.7	-1.9	-2.2	-1.2	-1.0			
Nondurable Manufacturing % Ch	7.75 0.5	7.79 1.7	7.80 0.9	7.80 0.1	7.80 -0.4	7.78 -0.6	7.78 -0.3	7.78 0.1			
Nonmanufacturing	99.73	100.35	100.90	101.41	101.90	102.41	102.90	103.41			
% Ch	2.9	2.5	2.2	2.1	1.9	2.0	2.0	2.0			
Services	33.59	33.90	34.21	34.52	34.82	35.14	35.44	35.73			
% Ch	3.9	3.8	3.7	3.7	3.5	3.7	3.5	3.4			
	Miscellan		licators								
Auto Sales (Millions)	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0			
% Ch	21.9	-2.5	0.5	-0.4	2.7	-0.0	0.4	0.1			
Housing Starts (Millions)	1.360	1.317	1.268	1.248	1.252	1.253	1.257	1.270			
% Ch	-7.0	-12.1	-14.1	-6.0	1.0	0.6	1.2	4.2			
Federal Budget Surplus (Billions)	-168.7	-154.5	-150.9	-155.6	-150.8	-140.5	-124.1	-121.2			
Net Exports (Billions)	-128.7	-127.6	-127.5	-116.7	-110.8	-107.1	-105.5	-100.5			
3-Month Treasury Bill Rate (%)	4.95	4.88	4.88	4.88	4.88	4.88	4.88	4.88			
30-Year U.S. Govt. Bond Rate (%)	6.41	6.31	6.39	4.88 6.41	6.39	6.34	6.29	6.22			
Mortgage Rate (%)	7.51	7.46	7.49	7.56	7.58	7.59	7.57	7.52			
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TABLE 1.3
Washington Economic Forecast Summary
Forecast 1995 to 1997

	1990	1991	1992	1993	1994	1995	1996	1997				
Real Income (Billions of 1987 Dollars)												
Real Personal Income	82.150	84.526	88.832	90.707	93.143	96.524	99.581	102.631				
% Ch Real Wage and Salary Disb.	4.6 47.102	2.9 48.407	5.1 50.960	2.1 51.053	2.7 52.346	3.6 54.015	3.2 55.940	3.1 57.725				
% Ch	5.3	2.8	5.3	0.2	2.5	3.2	3.6	37.723				
Real Nonwage Income	35.048	36.118	37.872	39.654	40.797	42.509	43.641	44.906				
% Ch	3.6	3.1	4.9	4.7	2.9	4.2	2.7	2.9				
Real Per Capita Income (\$/Person)	16,708	16,757	17,203	17,192	17,344	17,681	17,966	18,180				
% Ch	1.7	0.3	2.7	-0.1	0.9	1.9	1.6	1.2				
H.G. L., 1'-', D.', D. C., (1007, 10)	Price and	_		1.266	1 202	1 222	1 252	1 200				
U.S. Implicit Price Deflator (1987=1.0) % Ch	1.149 5.2	1.197 4.2	1.235	1.266 2.5	1.293	1.322	1.353	1.388 2.5				
Seattle Cons. Price Index (1982-84=1.0)	1.268	1.341	1.390	1.429	1.478	1.521	1.563	1.611				
% Ch	7.3	5.8	3.7	2.8	3.4	2.9	2.8	3.0				
Avg. Hourly Earnings-Mfg. (\$/Hour)	12.78	13.34	13.78	14.01	14.40	14.40	14.52	14.77				
% Ch	4.3	4.4	3.3	1.7	2.8	-0.0	0.8	1.7				
<b>Current Dollar Income (Billions of Dollars)</b>												
Nonfarm Personal Income			108.631		119.568	126.797	133.802	141.460				
%Ch	10.1	7.2	8.3	4.5	5.3	6.0	5.5 134.744	5.7				
Personal Income %Ch	94.420 10.0	101.207 7.2	8.4	114.842 4.7	120.444 4.9	127.643 6.0	5.6	142.411 5.7				
Disposable Personal Income	81.830	88.221	95.898	100.177	104.768	110.742	117.443	124.167				
%Ch	10.3	7.8	8.7	4.5	4.6	5.7	6.1	5.7				
Per Capita Income (\$/Person)	19,201	20,063	21,244	21,766	22,427	23,380	24,308	25,226				
%Ch 6.9 4.5 5.9 2.5 3.0 4.3 4.0 3.8 <b>Employment (Thousands)</b>												
	Employm	ent (Tho	ousands)									
Washington Civilian Labor Force	2532.3	2533.7	2643.6	2698.8	2707.4	2797.2	2842.0	2914.7				
Total Washington Employment	2409.0	2374.1	2444.8	2495.9	2534.0	2623.0	2664.8	2734.9				
Unemployment Rate (%)	4.87	6.30	7.52	7.52	6.40	6.23	6.23	6.17				
Wage and Salary Employment	2142.4	2177.4	2221.9	2251.7	2307.5	2363.0	2426.8	2494.0				
%Ch	4.7	1.6	2.0	1.3	2.5	2.4	2.7	2.8				
Manufacturing	369.4 2.2	351.9	347.2 -1.3	340.8	337.1	333.7	335.1	338.8				
%Ch Durable Manufacturing	260.9	-4.7 251.8	245.6	-1.8 237.4	-1.1 230.4	-1.0 225.4	0.4 225.9	1.1 227.5				
%Ch	1.1	-3.5	-2.4	-3.4	-2.9	-2.2	0.2	0.7				
Aerospace	116.2	115.6	111.9	102.7	91.8	81.1	80.0	79.2				
%Ch	2.2	-0.6	-3.2	-8.2	-10.6	-11.7	-1.4	-0.9				
Nondurable Manufacturing	108.4	100.1	101.6	103.4	106.7	108.3	109.2	111.3				
%Ch Nonmanufacturing	4.9 1773.0	-7.7 1825.5	1.4 1874.7	1.8 1910.9	3.2 1970.4	1.5 2029.2	0.8 2091.7	1.9 2155.2				
%Ch	5.2	3.0	2.7	1.9	3.1	3.0	3.1	3.0				
Construction	117.3	118.2	119.2	119.1	123.5	124.0	125.3	126.7				
%Ch	9.9	0.8	0.9	-0.1	3.7	0.4	1.0	1.1				
Services	504.3	536.0	557.8	576.7	599.1	628.0	657.5	686.4				
%Ch	6.8	6.3	4.1	3.4	3.9	4.8	4.7	4.4				
		ng Indica										
Housing Units Authorized (Thousands)	48.447	33.012	39.682	41.342	44.034	37.807	37.116	40.374				
%Ch Mortgage Rate (%)	0.5 10.13	-31.9 9.25	20.2 8.40	4.2 7.33	6.5 8.36	-14.1 8.02	-1.8 7.50	8.8 7.57				
Wortgage Nate (%)	10.15	9.23	0.40	1.33	0.30	0.02	7.30	1.31				

TABLE 1.4 **Washington Economic Forecast Summary** Forecast 1995 to 1997

	1992:1	1992:2	1992:3	1992:4	1993:1	1993:2	1993:3	1993:4			
Real Income (Billions of 1987 Dollars)											
					90.056	00.650	01.006	02 116			
Real Personal Income % Ch	87.055	87.538 2.2	88.989	91.745	89.056	90.650	91.006	92.116			
Real Wage and Salary Disb.	5.6 49.925	49.995	6.8 51.028	13.0 52.891	-11.2 49.997	7.3 51.424	1.6 51.352	5.0 51.438			
% Ch	6.4	0.6	8.5	15.4	-20.2	11.9	-0.6	0.7			
Real Nonwage Income	37.129	37.543	37.960	38.853	39.060	39.225	39.655	40.678			
% Ch	4.5	4.5	4.5	9.7	2.1	1.7	4.4	10.7			
Real Per Capita Income (\$/Person)	17.014	17,005	17,183	17,610	16,993	17,220	17,211	17,344			
% Ch	3.2	-0.2	4.3	10.3	-13.3	5.5	-0.2	3.1			
Price and Wage Indexes											
U.S. Implicit Price Deflator (1987=1.0)	1.221	1.232	1.237	1.249	1.257	1.264	1.268	1.275			
% Ch	3.3	3.7	1.6	3.9	2.6	2.2	1.3	2.2			
Seattle Cons. Price Index (1982-84=1.0)	1.371	1.385	1.396	1.408	1.415	1.423	1.432	1.446			
% Ch	4.0	4.3	3.1	3.5	2.1	2.1	2.6	4.2			
Avg. Hourly Earnings-Mfg. (\$/Hour)	13.65	13.72	13.83	13.91	13.89	14.00	13.99	14.15			
% Ch	3.5	1.9	3.5	2.3	-0.6	3.1	-0.1	4.6			
Curr	ent Dollar In	come (Bi	illions of	Dollars)							
Nonfarm Personal Income	105.233	106.807	109.154	113.329	110.829	113.376	114.334	115.633			
%Ch	9.5	6.1	9.1	16.2	-8.5	9.5	3.4	4.6			
Personal Income	106.294	107.847	110.079	114.589	111.944	114.581	115.396	117.448			
%Ch	9.1	6.0	8.5	17.4	-8.9	9.8	2.9	7.3			
Disposable Personal Income	92.960	94.346	96.221	100.065	97.943	99.931	100.524	102.308			
%Ch	10.3	6.1	8.2	17.0	-8.2	8.4	2.4	7.3			
Per Capita Income (\$/Person)	20,774	20,950	21,256	21,995	21,360	21,766	21,824	22,114			
%Ch	6.6	3.4	6.0	14.6	-11.1	7.8	1.1	5.4			
	Employm	ent (Tho	ousands)								
Washington Civilian Labor Force	2598.1	2633.2	2662.8	2680.4	2682.7	2698.0	2703.5	2711.0			
Total Washington Employment	2413.6	2439.8	2457.8	2468.2	2475.8	2489.7	2498.1	2520.0			
Unemployment Rate (%)	7.10	7.35	7.70	7.91	7.71	7.72	7.60	7.05			
Wage and Salary Employment	2210.7	2216.8	2221.0	2239.1	2236.5	2246.4	2250.7	2273.3			
%Ch	2.7	1.1	0.7	3.3	-0.5	1.8	0.8	4.1			
Manufacturing	349.2	348.5	345.9	345.1	344.4	342.2	338.5	337.9			
%Ch	-1.4	-0.7	-2.9	-0.9	-0.8	-2.5	-4.2	-0.7			
Durable Manufacturing	248.6	246.7	244.1	243.0	241.4	239.3	235.3	233.5			
%Ch	-1.7	-3.0	-4.2	-1.7	-2.6	-3.5	-6.6	-3.0			
Aerospace	114.6	113.0	110.8	109.1	106.9	104.6	101.4	98.0			
%Cĥ	-3.1	-5.6	-7.6	-6.0	-7.5	-8.5	-11.7	-12.9			
Nondurable Manufacturing	100.6	101.8	101.9	102.1	103.0	102.9	103.3	104.5			
%Ch	-0.9	5.1	0.2	0.9	3.5	-0.2	1.3	4.7			
Nonmanufacturing	1861.6	1868.3	1875.0	1894.0	1892.1	1904.2	1912.1	1935.4			
%Ch	3.5	1.4	1.4	4.1	-0.4	2.6	1.7	4.9			
Construction	118.9	118.8	118.5	120.7	118.2	116.6	118.6	122.9			
%Ch	-0.3	-0.4	-1.1	7.9	-8.0	-5.4	7.2	15.2			
Services	549.4	553.6	559.6	568.6	568.7	575.9	577.8	584.4			
%Ch	2.5	3.1	4.4	6.6	0.1	5.2	1.3	4.6			
		ng Indic	ators								
Housing Units Authorized (Thousands)	41.403	39.263	37.393	40.670	35.115	39.803	42.513	47.937			
%Ch	189.3	-19.1	-17.7	39.9	-44.4	65.1	30.1	61.7			
Mortgage Rate (%)	8.71	8.68	8.01	8.20	7.72	7.45	7.08	7.05			

TABLE 1.4 **Washington Economic Forecast Summary** Forecast 1995 to 1997

	1994:1	1994:2	1994:3	1994:4	1995:1	1995:2	1995:3	1995:4		
nl	T	·111 (	1007 D	. 11						
	Income (B									
Real Personal Income	91.658	93.043	93.025	94.847	95.125	96.152	97.220	97.599		
% Ch	-2.0	6.2	-0.1	8.1	1.2	4.4	4.5	1.6		
Real Wage and Salary Disb.	51.621	52.476	52.112	53.174	53.190	53.857	54.449	54.566		
% Ch	1.4	6.8	-2.8	8.4	0.1	5.1	4.5	0.9		
Real Nonwage Income	40.038	40.566	40.913	41.673	41.935	42.295	42.771	43.033		
% Ch	-6.1	5.4	3.5	7.6	2.5	3.5	4.6	2.5		
Real Per Capita Income (\$/Person)	17,182	17,364	17,284	17,545	17,519	17,645	17,777	17,783		
% Ch	-3.7	4.3	-1.8	6.2	-0.6	2.9	3.0	0.1		
Price and Wage Indexes										
U.S. Implicit Price Deflator (1987=1.0)	1.279	1.289	1.299	1.305	1.312	1.320	1.326	1.332		
% Ch	1.3	3.2	3.1	1.9	2.2	2.5	1.7	1.8		
Seattle Cons. Price Index (1982-84=1.0)	1.458	1.470	1.486	1.498	1.507	1.517	1.526	1.535		
% Ch	3.1	3.6	4.4	3.1	2.5	2.8	2.2	2.5		
Avg. Hourly Earnings-Mfg. (\$/Hour)	14.40	14.35	14.36	14.51	14.47	14.46	14.30	14.36		
% Ch	7.2	-1.5	0.4	4.1	-1.1	-0.2	-4.5	1.7		
Current	t Dollar In	come (Bi	illions of	Dollars)						
Nonfarm Personal Income	116.370	119.085	120.144	122.673	124.001	126.134	128.054	128.999		
%Ch	2.6	9.7	3.6	8.7	4.4	7.1	6.2	3.0		
Personal Income	117.231	119.932	120.839	123.775	124.804	126.921	128.880	129.965		
%Ch	-0.7	9.5	3.1	10.1	3.4	7.0	6.3	3.4		
Disposable Personal Income	101.975	104.116	105.157	107.825	108.526	109.871	111.791	112.780		
%Ch	-1.3	8.7	4.1	10.5	2.6	5.0	7.2	3.6		
Per Capita Income (\$/Person)	21,976	22,383	22,452	22,896	22,985	23,291	23,566	23,680		
%Ch	-2.5	7.6	1.2	8.1	1.6	5.4	4.8	1.9		
	Employm	ent (Tho	ousands)							
Washington Civilian Labor Force	2718.9	2697.0	2696.9	2716.7	2769.8	2809.8	2806.1	2803.1		
Total Washington Employment	2535.7	2517.7	2530.2	2552.3	2606.0	2635.9	2625.0	2625.0		
Unemployment Rate (%)	6.74	6.65	6.18	6.05	5.92	6.19	6.45	6.35		
Wage and Salary Employment	2286.0	2294.9	2314.3	2335.0	2353.3	2354.0	2371.0	2373.6		
%Ch	2.2	1.6	3.4	3.6	3.2	0.1	2.9	0.4		
Manufacturing	337.0	336.2	336.7	338.6	343.4	339.1	333.3	319.1		
%Ch	-1.2	-0.9	0.6	2.3	5.8	-4.9	-6.6	-16.0		
Durable Manufacturing	231.4	229.9	229.7	230.5	233.7	230.8	225.9	211.2		
%Ch	-3.5	-2.5	-0.5	1.4	5.8	-5.0	-8.3	-23.5		
Aerospace	94.3	92.3	90.7	90.1	89.4	87.5	81.5	66.2		
%Ch	-14.3	-8.0	-7.0	-2.3	-3.4	-8.1	-24.8	-56.4		
Nondurable Manufacturing	105.6	106.3	107.0	108.1	109.7	108.3	107.5	107.9		
%Ch	4.2	2.8	2.8	4.1	5.8	-4.8	-3.0	1.6		
Nonmanufacturing	1949.0	1958.7	1977.6	1996.4	2009.9	2014.9	2037.6	2054.5		
%Ch	2.9	2.0	3.9	3.9	2.7	1.0	4.6	3.4		
Construction	123.2	123.5	123.9	123.5	123.8	122.7	124.5	124.9		
%Ch	0.8	1.0	1.5	-1.5	1.2	-3.5	5.8	1.3		
Services	587.4	593.2	604.9	610.8	616.3	621.8	633.0	641.0		
%Ch	2.1	4.0	8.1	3.9	3.7	3.6	7.3	5.2		
Housing Indicators										
Housing Units Authorical (Thansaula)		_		12 01 1	27.022	41 707	24 5 4 4	26.065		
Housing Units Authorized (Thousands)	44.099	43.542	45.484	43.011	37.932	41.787	34.544	36.965		
%Ch	-28.4	-5.0 9.45	19.1	-20.0	-39.5	47.3	-53.3	31.1		
Mortgage Rate (%)	7.30	8.45	8.61	9.10	8.79	7.92	7.70	7.66		

TABLE 1.4

## **Washington Economic Forecast Summary** Forecast 1995 to 1997

	1996:1	1996:2	1996:3	1996:4	1997:1	1997:2	1997:3	1997:4			
Real Income (Billions of 1987 Dollars)											
Keai	mcome (D		1987 DO	mars)							
Real Personal Income	98.722	99.211	99.834	100.558	101.538	102.255	102.976	103.755			
% Ch	4.7	2.0	2.5	2.9	4.0	2.9	2.9	3.1			
Real Wage and Salary Disb.	55.466	55.722	56.088	56.485	56.996	57.501	57.967	58.436			
% Ch	6.8	1.9	2.6	2.9	3.7	3.6	3.3	3.3			
Real Nonwage Income	43.256	43.489	43.746	44.073	44.542	44.754	45.009	45.319			
% Ch	2.1	2.2	2.4	3.0	4.3	1.9	2.3	2.8			
Real Per Capita Income (\$/Person)	17,924	17,939	17,974	18,025	18,118	18,159	18,199	18,245			
% Ch	3.2	0.3	0.8	1.1	2.1	0.9	0.9	1.0			
70 CH				1.1	2.1	0.9	0.9	1.0			
	Price an	_									
U.S. Implicit Price Deflator (1987=1.0)	1.339	1.349	1.358	1.366	1.374	1.383	1.392	1.401			
% Ch	2.4	2.9	2.6	2.5	2.5	2.6	2.5	2.5			
Seattle Cons. Price Index (1982-84=1.0)	1.546	1.558	1.569	1.581	1.592	1.604	1.617	1.629			
% Ch	2.9	3.0	2.9	2.9	3.0	3.1	3.1	3.2			
Avg. Hourly Earnings-Mfg. (\$/Hour)	14.43	14.49	14.55	14.61	14.67	14.74	14.80	14.87			
% Ch	1.8	1.7	1.6	1.7	1.7	1.9	1.8	1.9			
	t Dollar In				1.7	1.,	1.0	1.7			
		•									
Nonfarm Personal Income	131.260	132.866	134.674	136.407	138.594	140.479	142.428	144.337			
%Ch	7.2	5.0	5.6	5.2	6.6	5.6	5.7	5.5			
Personal Income	132.232	133.828	135.542	137.375	139.560	141.445	143.325	145.312			
%Ch	7.2	4.9	5.2	5.5	6.5	5.5	5.4	5.7			
Disposable Personal Income	115.222	116.563	118.227	119.760	121.754	123.346	124.952	126.618			
%Ch	8.9	4.7	5.8	5.3	6.8	5.3	5.3	5.4			
Per Capita Income (\$/Person)	24,008	24,198	24,403	24,625	24,902	25,119	25,329	25,553			
%Ch	5.7	3.2	3.4	3.7	4.6	3.5	3.4	3.6			
Employment (Thousands)											
Washington Civilian Labor Force	2817.2	2833.2	2850.3	2867.2	2885.3	2904.7	2924.5	2944.5			
Total Washington Employment	2640.5	2656.1	2673.3	2689.4	2707.3	2725.6	2744.2	2762.7			
Unemployment Rate (%)	6.27	6.25	6.21	6.20	6.17	6.16	6.16	6.17			
Wasan and Calama Eurolaumant	2402.5	2410 5	2424.0	2450.4	2467.5	2495.0	2502.0	2520.6			
Wage and Salary Employment	2403.5	2418.5	2434.9	2450.4	2467.5	2485.0	2502.8	2520.6			
%Ch	5.1	2.5	2.7	2.6	2.8	2.9	2.9	2.9			
Manufacturing	334.3	334.8	335.4	335.9	337.0	338.1	339.4	340.7			
%Ch	20.4	0.6	0.7	0.7	1.3	1.3	1.5	1.6			
Durable Manufacturing	225.9	225.8	225.8	225.9	226.4	227.0	227.8	228.6			
%Ch	30.9	-0.2	0.1	0.1	1.0	1.1	1.4	1.4			
Aerospace	80.7	80.2	79.7	79.2	79.2	79.2	79.2	79.2			
%Ch	120.8	-2.5	-2.5	-2.5	0.0	0.0	0.0	0.0			
Nondurable Manufacturing	108.4	109.0	109.5	110.0	110.6	111.1	111.5	112.1			
%Ch	1.8	2.2	2.0	1.9	2.0	1.7	1.7	1.9			
Nonmanufacturing	2069.2	2083.7	2099.5	2114.4	2130.4	2146.9	2163.5	2179.9			
%Ch	2.9	2.8	3.1	2.9	3.1	3.1	3.1	3.1			
Construction	125.1	124.8	125.5	125.7		126.4	126.8	127.3			
					126.1						
%Ch	0.8	-1.1	2.2	0.9	1.0	1.2	1.3	1.6			
Services	647.4	654.0	660.8	667.6	674.8	682.6	690.3	697.7			
%Ch 4.1 4.1 4.2 4.2 4.4 4.7 4.6 4.4											
Housing Indicators											
Housing Units Authorized (Thousands)	36.461	36.856	37.226	37.920	39.047	39.784	40.824	41.839			
%Ch	-5.3	4.4	4.1	7.7	12.4	7.8	10.9	10.3			
Mortgage Rate (%)	7.51	7.46	7.49	7.56	7.58	7.59	7.57	7.52			
mongage Rate (70)	1.51	7.40	7.47	7.50	1.50	1.33	1.51	1.52			

TABLE 2.1
U.S. Nonagricultural Employment by Industry
Forecast 1995 to 1997

	1990	1991	1992	1993	1994	1995	1996	1997
Wage and Salary Employment	109.42	108.26	108.60	110.73	114.03	116.63	118.82	120.70
% Ch	1.4	-1.1	0.3	2.0	3.0	2.3	1.9	1.6
Manufacturing	19.08	18.41	18.11	18.08	18.30	18.40	18.23	18.05
% Ch	-1.6	-3.5	-1.6	-0.2	1.3	0.5	-0.9	-1.0
Nondurable Manufacturing % Ch	7.97 -0.4	7.84 -1.6	7.83 -0.1	7.86 0.3	7.87 0.2	7.82 -0.7	7.79 -0.4	7.78 -0.0
Food and Kindred Products	1.66	1.67	1.66	1.68	1.68	1.69	1.69	1.69
% Ch	1.00	0.4	-0.3	1.0	0.0	0.3	0.1	-0.0
Pulp and Paper	0.70	0.69	0.69	0.69	0.69	0.69	0.69	0.68
% Ch	0.2	-1.3	0.4	0.2	-0.1	-0.5	-0.2	-0.5
Apparel	1.04	1.01	1.01	0.99	0.97	0.92	0.91	0.91
% Ch	-3.7	-2.9	0.1	-1.8	-2.0	-4.8	-1.0	-0.7
Printing	1.57	1.54	1.51	1.52	1.54	1.55	1.56	1.58
% Ch Chemicals	0.9 1.09	-2.1 1.08	-1.9	0.7	1.6	0.9 1.05	0.2	1.3 1.05
% Ch	1.09	-0.9	1.08 0.8	1.08 -0.3	1.06 -1.9	-1.3	1.06 1.0	-0.4
Other Nondurables	1.92	1.86	1.88	1.90	1.93	1.92	1.88	1.88
% Ch	-1.7	-2.8	0.7	1.1	1.8	-0.6	-1.8	-0.4
Durable Manufacturing	11.11	10.57	10.28	10.22	10.43	10.58	10.44	10.26
% Ch	-2.5	-4.9	-2.8	-0.5	2.0	1.4	-1.3	-1.7
Lumber and Wood	0.73	0.68	0.68	0.71	0.75	0.76	0.75	0.75
% Ch	-3.0	-7.9	0.7	4.3	6.1	0.8	-0.8	-0.9
Furniture	0.51	0.47	0.48	0.49	0.50	0.50	0.50	0.50
% Ch Stone-Clay-Glass	-3.6 0.56	-6.2 0.52	0.6 0.51	1.9 0.52	3.1 0.53	-0.4 0.54	0.1 0.54	0.7 0.53
% Ch	-2.1	-6.2	-1.6	0.32	3.0	1.6	-0.9	-1.4
Primary Metals	0.76	0.72	0.69	0.68	0.70	0.71	0.70	0.68
% Ch	-2.0	-4.4	-3.9	-1.6	2.3	1.9	-1.7	-2.2
Fabricated Metals	1.42	1.36	1.33	1.34	1.39	1.43	1.43	1.42
% Ch	-1.8	-4.5	-1.9	0.7	3.6	3.2	-0.2	-0.6
Nonelectrical Machinery	2.09	2.00	1.93	1.93	1.98	2.04	2.03	1.99
% Ch	-1.4	-4.5	-3.5	0.1	2.8	2.7	-0.6	-1.9
Electrical Machinery	1.67 -4.1	1.59 -4.9	1.53 -4.0	1.53	1.57	1.62 3.2	1.63	1.61
% Ch Transportation Equipment	1.99	1.89	1.83	-0.2 1.76	2.9 1.75	1.74	0.3 1.65	-1.0 1.56
% Ch	-3.1	-5.0	-3.2	-4.0	-0.4	-0.3	-5.4	-5.4
Instruments	1.01	0.97	0.93	0.90	0.86	0.84	0.83	0.83
% Ch	-1.9	-3.2	-4.7	-3.6	-3.6	-2.3	-1.0	-1.1
Other Durables	0.38	0.37	0.37	0.38	0.39	0.39	0.39	0.39
% Ch	-1.6	-2.6	0.6	2.8	3.2	0.3	-1.0	1.5
Nonmanufacturing	90.34	89.85	90.49	92.65	95.72	98.23	100.60	102.65
% Ch	2.1	-0.5	0.7	2.4	3.3	2.6	2.4	2.0
Mining % Ch	0.71 2.6	0.69 -2.9	0.63 -7.9	0.61 -3.9	0.60 -1.6	0.58 -3.5	0.57 -2.3	0.56 -1.5
Construction	5.12	4.65	4.49	4.66	5.01	5.24	5.32	5.27
% Ch	-0.9	-9.2	-3.5	3.8	7.3	4.7	1.6	-1.0
Trans., Comm. and Utilities	5.79	5.76	5.72	5.83	6.01	6.20	6.29	6.35
% Ch	3.0	-0.5	-0.7	1.9	3.0	3.2	1.5	1.0
Wholesale Trade	6.17	6.08	6.00	5.98	6.14	6.32	6.44	6.53
% Ch	-0.2	-1.5	-1.4	-0.3	2.6	2.9	1.9	1.4
Retail Trade	19.60	19.28	19.36	19.77	20.44	20.84	21.29	21.71
% Ch Finance-Insurance-Real Estate	0.7 6.71	-1.6 6.65	0.4 6.60	2.2 6.76	3.4 6.93	2.0 6.94	2.2 7.03	2.0 7.04
% Ch	0.71	-0.9	-0.7	2.3	2.6	0.94	1.3	0.2
Services	27.93	28.33	29.05	30.19	31.48	32.82	34.05	35.28
% Ch	3.8	1.4	2.5	3.9	4.3	4.2	3.8	3.6
State and Local Government	15.22	15.44	15.67	15.93	16.25	16.47	16.83	17.22
% Ch	2.9	1.4	1.5	1.6	2.0	1.4	2.2	2.3
Federal Government	3.08	2.97	2.97	2.92	2.87	2.83	2.77	2.68
% Ch	3.3	-3.8	0.1	-1.8	-1.5	-1.5	-2.1	-3.0

TABLE 2.2
U.S. Nonagricultural Employment by Industry
Forecast 1995 to 1997

	1992:1	1992:2	1992:3	1992:4	1993:1	1993:2	1993:3	1993:4
Wage and Salary Employment	108.09	108.45	108.72	109.13	109.71	110.35	111.02	111.82
% Ch	-0.2	1.3	1.0	1.5	2.2	2.4	2.4	2.9
Manufacturing	18.12	18.14	18.10	18.06	18.10	18.06	18.05	18.10
% Ch	-3.4	0.3	-0.7	-0.9	0.8	-0.8	-0.3	1.1
Nondurable Manufacturing	7.81	7.83	7.84	7.83	7.86	7.86	7.86	7.85
% Ch Food and Kindred Products	-1.3 1.65	0.9 1.66	0.4 1.67	-0.4 1.67	1.3 1.68	0.3 1.68	-0.3 1.68	-0.4 1.68
% Ch	-2.1	2.1	1.07	-0.2	2.6	-0.1	0.8	1.08
Pulp and Paper	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
% Ch	-0.6	2.2	1.6	0.4	-0.4	0.4	-1.0	-0.8
Apparel	1.01	1.01	1.01	1.00	1.00	1.00	0.99	0.97
% Ch	-2.0	-0.7	-1.8	-3.0	1.1	-2.1	-4.0	-4.8
Printing	1.51 -3.1	1.51	1.51 0.2	1.51 0.2	1.51 0.7	1.52 1.4	1.52 1.1	1.52 0.7
% Ch Chemicals	1.08	-0.1 1.09	1.08	1.08	1.08	1.4	1.1	1.08
% Ch	1.2	0.7	-0.4	0.2	-0.4	-0.6	-0.4	-1.8
Other Nondurables	1.87	1.88	1.88	1.88	1.89	1.90	1.90	1.90
% Ch	-0.4	1.0	1.2	-0.3	2.3	1.5	-0.1	0.8
Durable Manufacturing	10.31	10.31	10.27	10.23	10.24	10.20	10.19	10.25
% Ch	-5.0	-0.1	-1.6	-1.3	0.5	-1.6	-0.4	2.2
Lumber and Wood % Ch	0.67 -0.8	0.68 5.1	0.68 2.6	0.69 5.8	0.70 4.7	0.70 1.5	0.71 4.8	0.73 8.5
Furniture	0.47	0.48	0.48	0.48	0.48	0.49	0.49	0.49
% Ch	-1.1	4.0	1.7	-0.3	3.1	2.2	0.8	3.6
Stone-Clay-Glass	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.52
% Ch	-4.8	2.4	0.3	-0.3	1.3	-0.5	1.3	3.1
Primary Metals	0.70	0.70	0.69	0.69	0.69	0.68	0.68	0.69
% Ch Fabricated Metals	-5.2 1.33	-1.7 1.33	-2.7 1.33	-3.0 1.33	-1.2 1.33	-1.7 1.34	-1.0 1.34	2.6 1.35
% Ch	-5.2	1.33	-0.3	-0.8	2.1	0.1	0.5	3.6
Nonelectrical Machinery	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.94
% Ch	-5.0	0.1	-0.6	-0.5	0.0	0.1	0.4	3.0
Electrical Machinery	1.54	1.53	1.52	1.52	1.52	1.52	1.52	1.53
% Ch	-5.6	-3.0	-2.2	-0.6	1.4	-0.5	0.1	2.7
Transportation Equipment % Ch	1.85 -7.1	1.85	1.82 -5.6	1.80 -4.9	1.79 -1.7	1.76 -7.7	1.74 -3.2	1.74 -0.8
% CII Instruments	0.94	-0.4 0.93	0.93	0.92	0.91	0.90	0.89	0.88
% Ch	-6.0	-3.9	-2.6	-4.1	-2.7	-4.2	-4.4	-3.4
Other Durables	0.36	0.37	0.37	0.37	0.37	0.38	0.38	0.38
% Ch	-1.1	3.3	2.6	1.5	3.6	4.3	1.1	2.8
Nonmanufacturing	89.97	90.31	90.62	91.06	91.61	92.29	92.97	93.72
% Ch Mining	0.4 0.65	1.5 0.64	1.4 0.63	2.0	2.4 0.62	3.0	3.0 0.60	3.3 0.61
% Ch	-7.6	-6.4	-8.3	0.62 -2.5	-2.8	0.61 -3.4	-6.0	2.0
Construction	4.49	4.49	4.48	4.51	4.56	4.63	4.69	4.78
% Ch	-3.7	-0.7	-0.5	2.4	4.8	5.9	6.1	7.4
Trans., Comm. and Utilities	5.72	5.71	5.72	5.73	5.78	5.81	5.84	5.89
% Ch	-1.9	-0.3	0.3	1.1	3.1	2.2	2.5	3.0
Wholesale Trade % Ch	6.04 -1.4	6.02 -1.7	5.97 -2.7	5.96 -1.0	5.95 -0.6	5.97 0.9	5.99 1.6	6.02 2.3
Retail Trade	19.25	19.35	19.37	19.46	19.55	19.70	19.84	20.00
% Ch	0.3	2.1	0.5	1.8	1.8	3.2	2.9	3.2
Finance-Insurance-Real Estate	6.58	6.59	6.60	6.64	6.67	6.72	6.78	6.86
% Ch	-1.1	0.6	0.5	2.1	2.2	2.8	3.9	4.4
Services	28.69	28.91	29.16	29.44	29.74	30.06	30.34	30.63
% Ch State and Local Government	1.8 15.57	3.0 15.63	3.5 15.72	4.0 15.76	4.1 15.81	4.3 15.89	3.8 15.97	3.9 16.04
% Ch	13.37	13.03	2.4	0.9	13.81	13.89	2.2	10.04
Federal Government	2.98	2.98	2.97	2.95	2.94	2.92	2.91	2.90
% Ch	0.2	0.4	-2.0	-2.8	-1.2	-2.8	-1.5	-0.7

TABLE 2.2
U.S. Nonagricultural Employment by Industry
Forecast 1995 to 1997

	1994:1	1994:2	1994:3	1994:4	1995:1	1995:2	1995:3	1995:4
Wage and Salary Employment % Ch	112.65 3.0	113.65 3.6	114.48 3.0	115.33 3.0	116.08 2.6	116.37 1.0	116.79 1.4	117.28 1.7
Manufacturing	18.18	18.27	18.33	18.44	18.52	18.46	18.34	18.26
% Ch	1.9	1.9	1.5	2.3	1.8	-1.1	-2.6	-1.7
Nondurable Manufacturing	7.85	7.87	7.88	7.89	7.90	7.85	7.77	7.74
% Ch	0.3	0.7	0.4	0.7	0.5	-2.5	-4.1	-1.3
Food and Kindred Products	1.68	1.68	1.68	1.68	1.69	1.69	1.68	1.68
% Ch	-1.1	0.0	-0.2	0.6	2.0	0.0	-2.1	0.0
Pulp and Paper	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.68
% Ch Apparel	0.8 0.97	-0.2 0.97	-0.2 0.97	0.8 0.96	0.0 0.95	-1.0 0.93	-2.5 0.91	-1.3 0.90
% Ch	-1.6	0.97	-0.5	-2.6	-5.3	-8.4	-10.5	-1.0
Printing	1.53	1.54	1.55	1.55	1.56	1.56	1.55	1.55
% Ch	2.0	2.0	2.2	1.6	1.9	-0.5	-1.1	-1.2
Chemicals	1.07	1.06	1.06	1.05	1.05	1.05	1.04	1.04
% Ch	-2.9	-2.1	-1.7	-1.3	-0.1	-2.3	-2.2	0.5
Other Nondurables	1.92	1.93	1.93	1.95	1.95	1.93	1.90	1.88
% Ch	3.0	2.3	1.3	2.9	1.4	-3.9	-6.5	-3.6
Durable Manufacturing	10.33	10.40	10.46	10.55	10.62	10.61	10.57	10.52
% Ch Lumber and Wood	3.1 0.74	2.8 0.75	2.3 0.76	3.5 0.76	2.7 0.77	-0.1 0.76	-1.4 0.75	-2.0 0.76
% Ch	8.1	5.1	4.3	4.1	1.2	-4.9	-3.0	3.0
Furniture	0.50	0.50	0.50	0.51	0.51	0.50	0.49	0.50
% Ch	4.4	3.0	3.0	1.9	1.9	-5.6	-6.0	1.3
Stone-Clay-Glass	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54
% Ch	3.6	4.9	1.8	3.5	4.5	-0.7	-3.4	-1.1
Primary Metals	0.69	0.69	0.70	0.71	0.72	0.72	0.71	0.70
% Ch	3.4	1.4	4.7	6.2	3.2	0.2	-3.9	-4.0
Fabricated Metals	1.36	1.38	1.39	1.41	1.43	1.44	1.43	1.42
% Ch	4.3 1.96	4.9 1.98	4.4 1.99	5.4 2.01	6.2 2.02	1.0 2.04	-1.8 2.05	-1.8 2.05
Nonelectrical Machinery % Ch	4.0	4.2	1.99	3.0	3.8	2.04	2.03	-0.2
Electrical Machinery	1.55	1.56	1.58	1.60	1.61	1.62	1.63	1.63
% Ch	3.2	4.9	4.0	4.3	4.1	1.9	1.4	0.5
Transportation Equipment	1.74	1.74	1.75	1.76	1.77	1.76	1.74	1.71
% Ch	1.3	-0.2	0.9	3.8	0.6	-1.3	-3.7	-7.8
Instruments	0.88	0.87	0.86	0.85	0.85	0.85	0.84	0.84
% Ch	-3.3	-3.9	-3.6	-2.2	-2.3	-1.3	-1.4	-3.1
Other Durables	0.39	0.39 3.5	0.39	0.39 2.7	0.40	0.39 -2.3	0.39 -3.4	0.39 -4.8
% Ch Nonmanufacturing	4.3 94.47	95.38	3.1 96.15	96.89	1.4 97.56	-2.3 97.91	-3.4 98.44	-4.8 99.01
% Ch	3.3	3.9	3.3	3.1	2.8	1.4	2.2	2.3
Mining	0.61	0.60	0.60	0.59	0.59	0.58	0.57	0.57
% Čh	2.0	-4.9	-2.9	-2.7	-2.7	-4.5	-4.9	-3.5
Construction	4.86	4.99	5.05	5.13	5.22	5.22	5.23	5.28
% Ch	6.7	11.0	5.1	6.9	7.3	-0.2	1.1	3.3
Trans., Comm. and Utilities	5.93	5.97	6.04	6.09	6.15	6.18	6.21	6.24
% Ch	2.9	2.7	4.8	3.6	4.1	2.0	1.6	1.9
Wholesale Trade % Ch	6.07 3.3	6.12 3.2	6.16 2.8	6.21 3.3	6.27 3.9	6.31 2.3	6.34 2.0	6.37 1.9
Retail Trade	20.19	20.37	20.51	20.68	20.77	20.77	20.86	20.96
% Ch	3.8	3.6	2.8	3.4	1.8	-0.0	1.7	2.0
Finance-Insurance-Real Estate	6.91	6.94	6.95	6.93	6.93	6.93	6.95	6.96
% Ch	3.3	1.6	0.4	-0.7	-0.2	-0.3	1.2	0.8
Services	30.91	31.32	31.69	32.02	32.39	32.65	32.96	33.27
% Ch	3.7	5.4	4.8	4.3	4.7	3.4	3.9	3.7
State and Local Government	16.11	16.21	16.30	16.37	16.40	16.43	16.49	16.56
% Ch Federal Government	1.7 2.89	2.6 2.87	2.3 2.86	1.7 2.86	0.7 2.83	0.6 2.83	1.5 2.83	1.6 2.82
% Ch	2.89 -1.4	-2.4	2.80 -1.5	2.80 -1.1	-3.1	-0.1	2.83 -0.4	2.82 -1.8
/0 CII	-1.4	-2. <del>4</del>	1.5	-1.1	-3.1	-0.1	-0.4	-1.0

TABLE 2.2
U.S. Nonagricultural Employment by Industry
Forecast 1995 to 1997

Wage and Salary Employment         11,797         11,861         11,912         11,959         120,90         120,48         20,92         121,40           % Ch         Ch         18,25         18,25         18,26         18,22         18,18         18,12         18,05         18,02         18,00         18,05         18,02         18,18         18,12         18,05         18,02         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18,00         18		1996:1	1996:2	1996:3	1996:4	1997:1	1997:2	1997:3	1997:4
Manufacturing   18,25   18,26   18,22   18,16   18,12   18,08   18,12   18,08   18,12   18,08   18,12   18,08   18,12   18,08   18,12   18,08   18,12   18,08   18,12   18,08   18,12   18,08   18,02   17,99   % Ch   0.4   0.4   0.4   0.9   1.10   1.12   1.15   0.8   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.	Wage and Salary Employment	117.97	118.61	119.12	119.59	120.02	120.46	120.92	121.40
% Ch	% Ch	2.4	2.2	1.7	1.6	1.5	1.5	1.5	1.6
Nondurable Manufacturing									17.99
Section   Sect		-0.4 7.75	7.70				-1.5 7.79	-0.8	
Food and Kindred Products			1.19						
% Ch         1.1         0.3         0.2         0.1         0.2         0.4         0.02           W Ch         0.6         0.69         0.68         0.68         0.68         0.68           W Ch         0.2         2.4         -0.4         -0.7         -1.0         -0.9         0.6         -0.0           Apparel         0.91         0.91         0.91         0.91         0.90         0.90           % Ch         1.2         1.55         1.55         1.55         1.55         1.57         1.77         1.57         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         1.58         <			1.69			1.69			1.68
% Ch	% Ch	1.1	0.3	0.2	0.1	0.2	-0.4	-0.4	-0.2
Apparel 0.91 0.91 0.92 0.91 0.91 0.91 0.90 0.90 0.90 % Ch 2.3 3 0.0 0.5 -1.3 -1.6 -1.2 -1.1 0.4 Printing 1.55 1.55 1.56 1.57 1.57 1.58 1.58 1.58 % Ch 0.2 1.3 1.8 1.8 1.4 1.0 0.7 0.4 Chemicals 1.05 1.06 1.06 1.06 1.05 1.05 1.05 1.05 % Ch 1.9 4.6 0.3 -1.2 -1.4 -0.7 0.1 0.6 Other Nondurables 1.88 1.88 1.88 1.89 1.89 1.88 1.88 1.87 1.87 % Ch -1.2 0.6 1.6 0.3 -1.2 -1.4 -0.7 0.1 0.6 Other Nondurables 1.88 1.88 1.89 1.89 1.88 1.88 1.87 1.87 % Ch -1.0 0.66 -2.2 -1.7 -1.9 -2.0 1.7 0.9 0.4 Durable Manufacturing 10.49 10.48 10.42 10.38 10.33 10.27 10.24 10.21 % Ch -1.0 0.66 -2.2 -1.7 -1.9 2.2 -1.2 -1.0 1.0 0.66 0.22 1.7 -1.9 1.0 0.20 0.2 0.20 0.50 0.50 0.50 0.50 0.5		0.68	0.69		0.69				0.68
% Ch         2.3         3.0         0.5         -1.3         -1.6         -1.2         -1.1         0.4           Whiting         1.55         1.55         1.55         1.55         1.55         1.55         1.55         1.55         1.55         1.55         1.55         1.55         1.06         1.06         1.06         1.06         1.05         1.05         1.05         1.05         1.05         0.06         0.04         1.06         1.06         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.06         0.03         -1.2         -1.4         -0.7         0.1         0.6         0.6         1.0         0.3         -1.0         -1.7         -0.9         -0.4         0.03         -1.0         -1.0         0.6         0.22         -1.1         -0.9         0.2         -0.2         -1.2         -1.0         0.6         0.22         -1.1         -1.9         2.2         -1.2         -1.0         -1.0         -0.6         -2.2         -1.7         -1.1         -0.9         0.2         -1.2         -1.2         -1.0         -1.0         -1.0         -1.0         -1.0			2.4		-0.7	-1.0			-0.0
Printing		2.91	3.0	0.92	-1.3				0.90
% Ch         0.2         1.3         1.8         1.4         1.0         0.7         0.4           Chemicals         1.05         1.06         1.06         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         1.05         0.06         0.3         -1.2         -1.4         -0.7         0.1         0.6           Other Nondurables         1.88         1.88         1.89         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.88         1.89         1.88         1.7         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0			1.55		1.57	1.57			1.58
% Ch         1.9         4.6         0.3         1.2         -1.4         -0.7         0.1         0.6           Other Nondurables         1.88         1.88         1.89         1.88         1.88         1.89         1.88         1.88         1.89         1.88         1.88         1.87         1.67           % Ch         -1.2         0.6         1.6         0.3         -1.0         -1.7         -0.9         -0.4           We Ch         -1.0         0.6         -2.2         1.77         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.75         0.74         0.74         0.74         0.75           % Ch         0.1         1.4         2.5         0.5         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50		0.2	1.3					0.7	0.4
Other Nondurables         1.88         1.88         1.89         1.89         1.88         1.88         1.87         1.87           % Ch         -1.2         0.6         1.6         0.3         -1.0         -1.7         -0.9         -0.4           Durable Manufacturing         10.49         10.48         10.42         10.38         10.33         10.27         10.24         10.21           % Ch         -1.0         -0.6         -2.2         -1.7         -1.9         -2.2         -1.2         -1.0         -1.5         -1.7         -1.9         -2.2         -1.2         -1.0         -1.2         -1.2         -1.2         -1.2         -1.2         -1.2         -1.2         -1.2         -0.2         0.5           % Ch         -1.4         -0.6         -0.9         -1.1         -1.2         -0.2         -0.5         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50 <th< td=""><td></td><td>1.05</td><td>1.06</td><td></td><td></td><td></td><td></td><td></td><td>1.05</td></th<>		1.05	1.06						1.05
% Ch         1.2         0.6         1.6         0.3         -1.0         1.7         -0.9         -0.4           Durable Manufacturing         10.49         10.48         10.42         10.33         10.27         10.24         10.21           % Ch         1-1.0         -0.6         -2.2         -1.7         -1.9         -2.2         -1.2         -1.0           % Ch         -1.4         -0.6         -0.9         -1.0         -1.2         -1.2         -1.2         -0.2         0.8           Furniture         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50		1.9	4.6	0.3	-1.2	-1.4		0.1	0.6
Durable Manufacturing   10.49   10.48   10.42   10.38   10.33   10.27   10.24   10.21   8			1.88		1.89			1.87	1.87
% Ch         -1.0         -0.6         -2.2         -1.7         -1.9         -2.2         -1.2         -1.0           W Ch         0.75         0.75         0.75         0.75         0.75         0.74         0.74         0.74         0.75           % Ch         -1.4         -0.6         -0.9         -1.0         -1.2         -1.2         -0.2         0.8           Furniture         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.50         0.60         0.4<			10.48			10.33	10.27	10.9	
Lumber and Wood			-0.6	-2.2			-2.2		
Furniture 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.5		0.75	0.75	0.75	0.75	0.75	0.74	0.74	0.75
% Ch         1.4         2.5         0.5         1.6         0.9         0.2         -0.2         -0.5           Stone-Clay-Glass         0.54         0.54         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.73         1.1         0.6         0.06         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.69         0.68         0.6         4         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.			-0.6			-1.2			0.8
Stone-Clay-Glass         0.54         0.54         0.54         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.53         0.68         Primary Metals         0.70         0.70         0.70         0.69         0.69         0.68         0.68         0.68         % Ch         -1.8         1.7         -2.7         -0.0         -2.7         -4.7         -2.4         -1.4         -1.4         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42			0.50			0.50			
% Ch         0.3         -0.8         -0.6         -1.3         -2.0         -1.7         -1.1         -0.8           Primary Metals         0.70         0.70         0.70         0.69         0.69         0.68         0.68           % Ch         -1.8         1.7         -2.7         -0.0         -2.7         -4.7         -2.4         -1.4           Fabricated Metals         1.42         1.43         1.43         1.43         1.43         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42			2.5 0.54			0.9			-0.5 0.53
Primary Metals         0.70         0.70         0.70         0.70         0.69         0.68         0.68           % Ch         -1.8         1.7         -2.7         -0.0         -2.7         -4.7         -2.4         -1.4           Fabricated Metals         1.42         1.43         1.43         1.43         1.42         1.42         1.42           % Ch         -0.3         1.7         0.5         -0.6         -1.4         -1.2         -0.5         0.1           Nonelectrical Machinery         2.04         2.03         2.02         2.01         2.00         1.99         1.98         1.98           % Ch         -1.4         -1.1         -2.3         -2.3         -1.9         -2.0         -1.3         -1.0           Electrical Machinery         1.63         1.62         1.62         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61 <td></td> <td>0.3</td> <td>-0.8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-0.8</td>		0.3	-0.8						-0.8
Fabricated Metals         1.42         1.43         1.43         1.43         1.43         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.43         1.43         1.43         1.43         1.42         1.43         1.14         1.16         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61 <td></td> <td>0.70</td> <td>0.70</td> <td></td> <td></td> <td>0.69</td> <td></td> <td></td> <td>0.68</td>		0.70	0.70			0.69			0.68
% Ch         -0.3         1.7         0.5         -0.6         -1.4         -1.2         -0.5         0.1           Nonelectrical Machinery         2.04         2.03         2.02         2.01         2.00         1.99         1.98         1.98           % Ch         -1.4         -1.1         -2.3         -2.3         -1.9         -2.0         -1.3         -1.0           Electrical Machinery         1.63         1.63         1.62         1.62         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.62         1.62         1.62         1.62         1.62 <t< td=""><td></td><td></td><td>1.7</td><td></td><td></td><td>-2.7</td><td></td><td></td><td>-1.4</td></t<>			1.7			-2.7			-1.4
Nonelectrical Machinery         2.04         2.03         2.02         2.01         2.00         1.98         1.98           % Ch         -1.4         -1.1         -2.3         -2.3         -1.9         -2.0         -1.3         -1.0           Electrical Machinery         1.63         1.62         1.62         1.62         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.69         1.67         1.63         1.61         1.59         1.56         1.55         1.54           % Ch         -3.5         -6.2         -7.6         -6.0         -4.5         -6.4         -3.0         2.27         1.54         1.58         1.58         1.58         1.54         1.55         1.54         1.55         1.54         1.55         1.54         1.55         1.52         1.53         1.52         1.53         1.52         1.54         1.55         1.52         1.52         1.52         1.22         1.22         1.22         1.22         1.22         1.22         1.22			1.43						
% Ch         1.4         -1.1         -2.3         -2.3         -1.9         -2.0         -1.3         -1.0           Electrical Machinery         1.63         1.63         1.62         1.62         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.61         1.63         1.61         1.55         -0.2         -0.3         -0.60         -4.5         -6.4         -3.0         -2.7         1.63         1.61         1.59         1.56         1.55         1.54         4.64         %         1.55         1.53         1.53         1.24         4.0         4.3         0.4         -0.2         -4.5         -6.4         -3.0         -2.7         1.51         9.0         9.0         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2		-0.3 2.04	2.02		-0.6 2.01	-1.4 2.00			1.09
Electrical Machinery         1.63         1.63         1.62         1.62         1.61         1.61         1.61         1.61           % Ch         0.3         1.6         -2.4         -1.6         -1.5         -0.5         -0.2         -0.3           Transportation Equipment         1.69         1.67         1.63         1.61         1.59         1.56         1.55         1.54           % Ch         -3.5         -6.2         -7.6         -6.0         -4.5         -6.4         -3.0         -2.7           Instruments         0.83         0.83         0.84         0.84         0.83         0.83         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82         0.82				-2.3	-2.3			-13	
% Ch         0.3         1.6         -2.4         -1.6         -1.5         -0.5         -0.2         -0.3           Transportation Equipment         1.69         1.67         1.63         1.61         1.59         1.56         1.55         1.54           % Ch         -3.5         -6.2         -7.6         -6.0         -4.5         -6.4         -3.0         -2.7           Instruments         0.83         0.83         0.84         0.84         0.83         0.83         0.82         0.82           % Ch         -0.8         -0.2         0.4         -0.0         -1.2         -2.2         -2.2         -2.2         -2.9         Other Durables         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39 <td< td=""><td></td><td>1.63</td><td>1.63</td><td></td><td></td><td>1.61</td><td></td><td>1.61</td><td>1.61</td></td<>		1.63	1.63			1.61		1.61	1.61
% Ch         -3.5         -6.2         -7.6         -6.0         -4.5         -6.4         -3.0         -2.7           Instruments         0.83         0.83         0.84         0.84         0.83         0.83         0.82         0.82           % Ch         -0.8         -0.2         0.4         -0.0         -1.2         -2.2         -2.2         -2.9           Other Durables         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39	% Ch		1.6			-1.5			-0.3
Instruments			1.67					1.55	1.54
% Ch         -0.8         -0.2         0.4         -0.0         -1.2         -2.2         -2.2         -2.2         -2.9           Other Durables         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.08           Mining         9.75         0.57         0.57         0.57         0.56         0.56         0.56         0.56		-3.5 0.83	-6.2 0.83			-4.5 0.83		-3.0 0.82	-2.7
Other Durables         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.39         0.8           More Trains         0.0         0.0         0.57         0.57         0.57         0.56         0.56         0.56         0.55         0.55           WCh         1.16         -0.9         -0.7         -1.1         -1.7         -1.8         -2.3         -2.0           Trans., Comm. and Utilities         6.26         6.28         6.30         6.31         6.33		-0.8	-0.83			-1.2			
% Ch         -0.1         0.8         1.7         2.0         1.7         1.2         1.3         0.8           Nonmanufacturing         99.73         100.35         100.90         101.41         101.90         102.41         102.90         103.41           % Ch         2.9         2.5         2.2         2.1         1.9         2.0         2.0         2.0           Mining         0.57         0.57         0.56         0.56         0.56         0.56         0.55           % Ch         -1.6         -0.9         -0.7         -1.1         -1.7         -1.8         -2.3         -2.0           Construction         5.31         5.33         5.33         5.31         5.29         5.27         5.26         5.26           % Ch         2.9         1.3         -0.3         -1.0         -1.6         -1.5         -1.3         0.0           Trans., Comm. and Utilities         6.26         6.28         6.30         6.31         6.33         6.35         6.36         6.37           % Ch         1.7         1.3         1.0         0.9         0.9         1.0         0.9         0.8           Wholesale Trade         6.41         6.4		0.39	0.39			0.39			0.39
% Ch         2.9         2.5         2.2         2.1         1.9         2.0         2.0         2.0           Mining         0.57         0.57         0.57         0.56         0.56         0.56         0.56         0.55           % Ch         -1.6         -0.9         -0.7         -1.1         -1.7         -1.8         -2.3         -2.0           Construction         5.31         5.33         5.33         5.31         5.29         5.27         5.26         5.26           % Ch         2.9         1.3         -0.3         -1.0         -1.6         -1.5         -1.3         0.0           Trans., Comm. and Utilities         6.26         6.28         6.30         6.31         6.33         6.35         6.36         6.37           % Ch         1.7         1.3         1.0         0.9         0.9         1.0         0.9         0.8           Wholesale Trade         6.41         6.43         6.45         6.47         6.50         6.52         6.54         6.57           % Ch         2.8         1.4         1.1         1.3         1.4         1.4         1.6         1.6           Retail Trade         21.12	% Ch	-0.1	0.8	1.7	2.0	1.7	1.2	1.3	0.8
Mining         0.57         0.57         0.57         0.56         0.56         0.56         0.56         0.55           % Ch         -1.6         -0.9         -0.7         -1.1         -1.7         -1.8         -2.3         -2.0           Construction         5.31         5.33         5.33         5.31         5.29         5.27         5.26         5.26           % Ch         2.9         1.3         -0.3         -1.0         -1.6         -1.5         -1.3         0.0           Trans., Comm. and Utilities         6.26         6.28         6.30         6.31         6.33         6.35         6.36         6.37           % Ch         1.7         1.3         1.0         0.9         0.9         1.0         0.9         0.8           Wholesale Trade         6.41         6.43         6.45         6.47         6.50         6.52         6.54         6.57           % Ch         2.8         1.4         1.1         1.3         1.4         1.4         1.6         1.6           Retail Trade         21.12         21.25         21.36         21.45         21.56         21.67         21.77         21.86           % Ch         2.9 <td></td> <td>99.73</td> <td>100.35</td> <td></td> <td></td> <td></td> <td></td> <td>102.90</td> <td></td>		99.73	100.35					102.90	
% Ch         -1.6         -0.9         -0.7         -1.1         -1.7         -1.8         -2.3         -2.0           Construction         5.31         5.33         5.33         5.31         5.29         5.27         5.26         5.26           % Ch         2.9         1.3         -0.3         -1.0         -1.6         -1.5         -1.3         0.0           Trans., Comm. and Utilities         6.26         6.28         6.30         6.31         6.33         6.35         6.36         6.37           % Ch         1.7         1.3         1.0         0.9         0.9         1.0         0.9         0.8           Wholesale Trade         6.41         6.43         6.45         6.47         6.50         6.52         6.54         6.57           % Ch         2.8         1.4         1.1         1.3         1.4         1.4         1.6         1.6           Retail Trade         21.12         21.25         21.36         21.45         21.56         21.67         21.77         21.86           % Ch         2.9         2.5         2.0         1.8         2.1         1.9         1.8         1.7           Finance-Insurance-Real Estate			2.5						
Construction         5.31         5.33         5.33         5.31         5.29         5.27         5.26         5.26           % Ch         2.9         1.3         -0.3         -1.0         -1.6         -1.5         -1.3         0.0           Trans., Comm. and Utilities         6.26         6.28         6.30         6.31         6.33         6.35         6.36         6.37           % Ch         1.7         1.3         1.0         0.9         0.9         1.0         0.9         0.8           Wholesale Trade         6.41         6.43         6.45         6.47         6.50         6.52         6.54         6.57           % Ch         2.8         1.4         1.1         1.3         1.4         1.4         1.6         1.6         8.67           % Ch         2.9         2.5         2.0         1.8         2.1         1.9         1.8         1.7           Finance-Insurance-Real Estate         7.00         7.03         7.04         7.05         7.04         7.04         7.04         7.04         7.04         9.04         9.02         9.2         9.2         1.8         2.1         1.9         1.8         1.7         1.7         1.8	% Ch								
% Ch         2.9         1.3         -0.3         -1.0         -1.6         -1.5         -1.3         0.0           Trans., Comm. and Utilities         6.26         6.28         6.30         6.31         6.33         6.35         6.36         6.37           % Ch         1.7         1.3         1.0         0.9         0.9         1.0         0.9         0.8           Wholesale Trade         6.41         6.43         6.45         6.47         6.50         6.52         6.54         6.57           % Ch         2.8         1.4         1.1         1.3         1.4         1.4         1.6         1.6           Retail Trade         21.12         21.25         21.36         21.45         21.56         21.67         21.77         21.86           % Ch         2.9         2.5         2.0         1.8         2.1         1.9         1.8         1.7           Finance-Insurance-Real Estate         7.00         7.03         7.04         7.05         7.04         7.04         7.04         7.04         7.04         9.04         9.02         9.2         9.2         9.2         9.2         9.2         9.2         9.2         9.2         9.2         9.2		5.31	5.33			5.29		5.26	5.26
% Ch         1.7         1.3         1.0         0.9         0.9         1.0         0.9         0.8           Wholesale Trade         6.41         6.43         6.45         6.47         6.50         6.52         6.54         6.57           % Ch         2.8         1.4         1.1         1.3         1.4         1.4         1.6         1.6           Retail Trade         21.12         21.25         21.36         21.45         21.56         21.67         21.77         21.86           % Ch         2.9         2.5         2.0         1.8         2.1         1.9         1.8         1.7           Finance-Insurance-Real Estate         7.00         7.03         7.04         7.05         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04 <td></td> <td>2.9</td> <td>1.3</td> <td>-0.3</td> <td>-1.0</td> <td>-1.6</td> <td>-1.5</td> <td>-1.3</td> <td>0.0</td>		2.9	1.3	-0.3	-1.0	-1.6	-1.5	-1.3	0.0
Wholesale Trade         6.41         6.43         6.45         6.47         6.50         6.52         6.54         6.57           % Ch         2.8         1.4         1.1         1.3         1.4         1.4         1.6         1.6           Retail Trade         21.12         21.25         21.36         21.45         21.56         21.67         21.77         21.86           % Ch         2.9         2.5         2.0         1.8         2.1         1.9         1.8         1.7           Finance-Insurance-Real Estate         7.00         7.03         7.04         7.05         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         7.04         <	Trans., Comm. and Utilities	6.26	6.28	6.30	6.31		6.35	6.36	6.37
% Ch       2.8       1.4       1.1       1.3       1.4       1.4       1.6       1.6         Retail Trade       21.12       21.25       21.36       21.45       21.56       21.67       21.77       21.86         % Ch       2.9       2.5       2.0       1.8       2.1       1.9       1.8       1.7         Finance-Insurance-Real Estate       7.00       7.03       7.04       7.05       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04									
Retail Trade       21.12       21.25       21.36       21.45       21.56       21.67       21.77       21.86         % Ch       2.9       2.5       2.0       1.8       2.1       1.9       1.8       1.7         Finance-Insurance-Real Estate       7.00       7.03       7.04       7.05       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04									1.6
% Ch       2.9       2.5       2.0       1.8       2.1       1.9       1.8       1.7         Finance-Insurance-Real Estate       7.00       7.03       7.04       7.05       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.04       7.03       7.03 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>21.86</td></td<>									21.86
% Ch       2.5       1.4       0.8       0.3       -0.3       -0.3       0.2       0.2         Services       33.59       33.90       34.21       34.52       34.82       35.14       35.44       35.73         % Ch       3.9       3.8       3.7       3.7       3.5       3.7       3.5       3.4         State and Local Government       16.66       16.78       16.89       16.99       17.08       17.18       17.27       17.36         % Ch       2.6       2.8       2.6       2.5       2.3       2.2       2.1       2.3         Federal Government       2.80       2.78       2.76       2.73       2.71       2.69       2.68       2.65	% Ch								
Services       33.59       33.90       34.21       34.52       34.82       35.14       35.44       35.73         % Ch       3.9       3.8       3.7       3.7       3.5       3.7       3.5       3.4         State and Local Government       16.66       16.78       16.89       16.99       17.08       17.18       17.27       17.36         % Ch       2.6       2.8       2.6       2.5       2.3       2.2       2.1       2.3         Federal Government       2.80       2.78       2.76       2.73       2.71       2.69       2.68       2.65									
% Ch       3.9       3.8       3.7       3.7       3.5       3.7       3.5       3.4         State and Local Government       16.66       16.78       16.89       16.99       17.08       17.18       17.27       17.36         % Ch       2.6       2.8       2.6       2.5       2.3       2.2       2.1       2.3         Federal Government       2.80       2.78       2.76       2.73       2.71       2.69       2.68       2.65		2.5							
State and Local Government       16.66       16.78       16.89       16.99       17.08       17.18       17.27       17.36         % Ch       2.6       2.8       2.6       2.5       2.3       2.2       2.1       2.3         Federal Government       2.80       2.78       2.76       2.73       2.71       2.69       2.68       2.65									
% Ch       2.6       2.8       2.6       2.5       2.3       2.2       2.1       2.3         Federal Government       2.80       2.78       2.76       2.73       2.71       2.69       2.68       2.65									
Federal Government 2.80 2.78 2.76 2.73 2.71 2.69 2.68 2.65	% Ch	2.6	2.8	2.6	2.5	2.3	2.2	2.1	2.3
% Ch -2.2 -2.9 -3.7 -2.9 -3.0 -2.4 -3.2		2.80	2.78			2.71	2.69	2.68	2.65
	% Ch	-2.2	-2.9	-2.9	-3.7	-2.9	-3.0	-2.4	-3.2

TABLE 2.3
Washington Nonagricultural Employment by Industry
Forecast 1995 to 1997

	1990	1991	1992	1993	1994	1995	1996	1997
Wage and Salary Employment	2142.4	2177.4	2221.9	2251.7	2307.5	2363.0	2426.8	2494.0
% Ch	4.7	1.6	2.0	1.3	2.5	2.4	2.7	2.8
Manufacturing % Ch	369.4 2.2	351.9 -4.7	347.2 -1.3	340.8 -1.8	337.1 -1.1	333.7 -1.0	335.1 0.4	338.8 1.1
Nondurable Manufacturing	108.4	100.1	101.6	103.4	106.7	108.3	109.2	111.3
% Ch	4.9	-7.7	1.4	1.8	3.2	1.5	0.8	1.9
Food and Kindred Products	37.6	37.6	38.0	39.0	40.5	41.1	41.3	42.2
% Ch Pulp and Paper	6.3 18.1	-0.2 17.9	1.2 17.7	2.7 17.2	3.7 17.2	1.4 17.4	0.6 17.4	2.0 17.4
% Ch	0.8	-1.1	-1.1	-2.8	-0.2	1.5	-0.3	0.4
Apparel	7.9	8.0	8.2	8.8	9.4	9.4	9.4	9.4
% Ch	2.3	0.3	3.0	7.4	7.1	-0.1	-0.3	0.0
Printing % Ch	22.5 4.0	22.5 -0.3	22.7 1.1	23.0 1.4	23.6 2.6	24.3 2.7	24.8 2.2	25.5 2.9
Chemicals	13.2	5.2	5.2	5.4	5.7	5.7	5.6	5.7
% Ch	8.3	-60.7	0.5	3.2	6.2	-1.2	-1.2	1.4
Other Nondurables % Ch	9.0 7.2	9.1 0.6	9.7 7.2	9.9 2.2	10.3 3.7	10.5 2.0	10.7 2.3	11.1 3.5
Durable Manufacturing	260.9	251.8	245.6	237.4	230.4	225.4	225.9	227.5
% Ch	1.1	-3.5	-2.4	-3.4	-2.9	-2.2	0.2	0.7
Lumber and Wood	39.9	36.4	36.5	35.9	36.5	36.2	35.7	35.5
% Ch Furniture	-3.0 4.1	-8.9 3.8	0.3 3.7	-1.8 3.6	1.9 3.7	-1.0 3.7	-1.3 3.7	-0.6 3.8
% Ch	3.8	-6.7	-2.5	-4.5	3.7	-0.5	0.8	3.8 2.3
Stone-Clay-Glass	7.9	7.7	8.1	8.4	8.7	9.1	9.2	9.3
% Ch	5.8	-2.5	5.4	3.5	3.7	4.1	1.1	0.5
Primary Metals % Ch	13.0 0.3	12.3 -5.6	11.7 -4.9	11.2 -3.9	10.8 -3.6	11.1 2.6	11.1 0.3	11.1 -0.1
Fabricated Metals	12.2	11.9	11.2	11.5	12.5	13.1	13.2	13.4
% Ch	3.6	-2.8	-5.6	2.7	8.5	5.1	0.6	1.7
Nonelectrical Machinery	20.5 6.3	19.9 -3.1	19.5 -2.1	20.2 3.9	20.8 2.9	22.8 9.7	23.6 3.5	23.9 1.1
% Ch Electrical Machinery	11.4	-3.1 11.0	10.6	11.2	12.1	13.7	3.3 14.7	16.0
% Ch	0.1	-3.7	-3.2	5.3	8.1	13.1	7.4	9.0
Aerospace	116.2	115.6	111.9	102.7	91.8	81.1	80.0	79.2
% Ch Other Trans. Equip.	2.2 14.8	-0.6 12.8	-3.2 11.5	-8.2 12.0	-10.6 13.1	-11.7 14.3	-1.4 14.2	-0.9 14.5
% Ch	-3.3	-13.7	-9.9	4.8	8.9	8.7	-0.7	2.4
Instruments	14.7	13.8	14.1	13.5	13.0	12.9	12.8	12.9
% Ch Other Durables	-3.4 6.1	-5.6 6.7	1.8 6.8	-4.3 7.1	-3.6 7.2	-0.9 7.4	-0.7 7.6	1.1 7.8
% Ch	4.8	8.4	2.4	4.4	1.4	2.6	2.8	2.4
Nonmanufacturing	1773.0	1825.5	1874.7	1910.9	1970.4	2029.2	2091.7	2155.2
% Ch	5.2	3.0	2.7	1.9	3.1	3.0	3.1	3.0
Mining % Ch	3.7 5.1	3.7 -2.2	3.4 -7.5	3.2 -5.3	3.4 5.0	3.4 2.1	3.5 2.5	3.6 1.7
Construction	117.3	118.2	119.2	119.1	123.5	124.0	125.3	126.7
% Ch	9.9	0.8	0.9	-0.1	3.7	0.4	1.0	1.1
Trans., Comm. and Utilities % Ch	113.0 4.4	111.9 -1.0	113.6 1.6	114.2 0.5	116.7 2.2	120.9 3.6	123.8 2.5	126.3 2.0
Wholesale Trade	128.5	130.2	131.5	133.3	138.5	144.9	149.1	152.6
% Ch	3.8	1.3	0.9	1.4	3.9	4.6	2.9	2.3
Retail Trade	392.9	397.0	406.3	413.2	426.9	441.5	455.3	469.8
% Ch Finance-Insurance-Real Estate	3.9 115.5	1.0 116.9	2.4 119.3	1.7 121.2	3.3 124.6	3.4 122.1	3.1 123.2	3.2 125.3
% Ch	2.9	1.3	2.0	1.6	2.8	-2.0	0.8	1.7
Services	504.3	536.0	557.8	576.7	599.1	628.0	657.5	686.4
% Ch State and Local Government	6.8 323.9	6.3 338.7	4.1 350.2	3.4 357.7	3.9 366.2	4.8 375.9	4.7 387.7	4.4 399.7
% Ch	5.2	336.7 4.6	3.4	2.1	2.4	2.6	3.1	399.7
Federal Government	73.7	72.9	73.4	72.3	71.5	68.6	66.3	64.8
% Ch	2.3	-1.1	0.6	-1.4	-1.2	-4.0	-3.3	-2.3

TABLE 2.4
Washington Nonagricultural Employment by Industry
Forecast 1995 to 1997

	1992:1	1992:2	1992:3	1992:4	1993:1	1993:2	1993:3	1993:4
Wage and Salary Employment	2210.7	2216.8	2221.0	2239.1	2236.5	2246.4	2250.7	2273.3
% Ch	2.7	1.1	0.7	3.3	-0.5	1.8	0.8	4.1
Manufacturing	349.2	348.5	345.9	345.1	344.4	342.2	338.5	337.9
% Ch Nondurable Manufacturing	-1.4 100.6	-0.7 101.8	-2.9 101.9	-0.9 102.1	-0.8 103.0	-2.5 102.9	-4.2 103.3	-0.7 104.5
% Ch	-0.9	5.1	0.2	0.9	3.5	-0.2	1.3	4.7
Food and Kindred Products	37.2	38.4	38.3	38.2	39.0	38.6	38.8	39.8
% Ch	-4.1	12.9	-0.9	-1.1	9.0	-4.4	2.1	11.0
Pulp and Paper	17.8	17.7	17.5	17.6	17.4	17.1	17.1	17.1
% Ch Apparel	-0.9 8.1	-3.3 8.2	-3.1 8.3	2.0 8.3	-4.2 8.6	-7.2 8.8	-1.3 9.0	0.6 8.9
% Ch	0.6	3.0	5.3	2.6	11.6	13.4	9.3	-6.7
Printing	22.5	22.6	22.8	23.0	23.0	23.1	23.0	23.1
% Ch	2.5	2.8	3.6	2.3	-0.0	2.8	-2.2	1.4
Chemicals % Ch	5.2 -5.8	5.2 -1.5	5.2 0.3	5.2 -0.6	5.1 -7.3	5.3 16.7	5.5 16.8	5.6 5.1
Other Nondurables	9.7	9.7	9.7	9.8	9.9	10.0	9.9	10.0
% Ch	6.1	2.3	-0.9	3.3	4.0	3.2	-3.6	6.6
Durable Manufacturing	248.6	246.7	244.1	243.0	241.4	239.3	235.3	233.5
% Ch Lumber and Wood	-1.7 36.9	-3.0 36.6	-4.2 36.1	-1.7 36.5	-2.6 36.4	-3.5 35.7	-6.6 35.1	-3.0 36.2
% Ch	11.6	-3.6	-5.8	4.6	-0.7	-7.4	-6.7	13.7
Furniture	3.8	3.8	3.6	3.7	3.6	3.6	3.5	3.5
% Ch	-3.4	-6.3	-15.1	5.8	-4.3	-6.4	-5.1	-2.9
Stone-Clay-Glass % Ch	7.9 9.6	8.0 3.7	8.2 11.0	8.4 11.5	8.5 1.4	8.4 -1.6	8.4 -2.3	8.5 3.4
Primary Metals	11.9	11.7	11.0	11.3	11.5	11.4	11.0	11.0
% Ch	-4.0	-4.9	0.2	-10.0	1.8	-2.9	-11.4	-2.0
Fabricated Metals	11.3	11.2	11.2	11.1	11.4	11.5	11.3	11.9
% Ch	-6.6	-2.2	-2.7	-0.6	9.9	1.5	-5.0	22.6
Nonelectrical Machinery % Ch	19.1 -5.7	19.3 4.8	19.5 2.9	19.9 9.2	20.0 1.8	20.2 4.1	20.3 1.6	20.4 1.8
Electrical Machinery	10.5	10.5	10.7	10.8	11.0	11.2	11.2	11.4
% Ch	-6.9	1.1	4.6	5.3	7.3	7.1	0.6	6.7
Aerospace	114.6	113.0	110.8	109.1	106.9	104.6	101.4	98.0
% Ch Other Trans. Equip.	-3.1 11.7	-5.6 11.7	-7.6 11.4	-6.0 11.2	-7.5 11.6	-8.5 12.0	-11.7 12.3	-12.9 12.3
% Ch	-19.0	-0.3	-8.3	-7.7	16.2	13.4	8.7	1.7
Instruments	14.2	14.2	14.1	14.0	13.5	13.6	13.6	13.3
% Ch	3.7	-0.5	-3.1	-2.8	-12.1	1.8	-0.1	-7.5
Other Durables % Ch	6.6 -0.4	6.7 5.6	6.9 13.1	7.0 2.6	7.0 0.3	7.2 12.5	7.2 1.1	7.1 -7.6
Nonmanufacturing	1861.6	1868.3	1875.0	1894.0	1892.1	1904.2	1912.1	1935.4
% Ch	3.5	1.4	1.4	4.1	-0.4	2.6	1.7	4.9
Mining	3.5	3.4	3.3	3.3	3.1	3.2	3.2	3.3
% Ch Construction	-2.2 118.9	-17.8 118.8	-2.5 118.5	-3.1 120.7	-21.7 118.2	11.0 116.6	4.5 118.6	4.8 122.9
% Ch	-0.3	-0.4	-1.1	7.9	-8.0	-5.4	7.2	15.2
Trans., Comm. and Utilities	113.7	114.0	113.2	113.8	114.0	114.8	114.0	113.9
% Ch	4.2	1.0	-2.8	2.3	0.6	2.9 132.3	-2.7	-0.1
Wholesale Trade % Ch	131.7 3.1	131.6 -0.5	131.5 -0.4	131.0 -1.3	132.0 3.0	0.9	133.2 2.9	135.7 7.8
Retail Trade	404.2	405.7	406.6	408.7	408.8	412.3	413.9	417.9
% Ch	4.3	1.4	1.0	2.1	0.0	3.5	1.6	3.9
Finance-Insurance-Real Estate	118.9	119.1	119.3	120.0	119.3	120.3	121.6	123.7
% Ch Services	3.8 549.4	0.9 553.6	0.5 559.6	2.4 568.6	-2.2 568.7	3.4 575.9	4.4 577.8	7.0 584.4
% Ch	2.5	3.1	4.4	6.6	0.1	5.2	1.3	4.6
State and Local Government	347.9	349.2	349.6	354.2	354.3	356.7	358.1	361.6
% Ch	6.0	1.4	0.5	5.4	0.2	2.6	1.6	3.9
Federal Government % Ch	73.3 0.2	73.0 -1.5	73.5 2.6	73.6 0.6	73.7 0.5	72.1 -8.3	71.6 -2.8	71.9 1.6
,, ,,,	0.2	1.5	2.0	0.0	0.0	0.5	2.0	1.0

TABLE 2.4
Washington Nonagricultural Employment by Industry
Forecast 1995 to 1997

Wage and Salary Employment         2286         22949         23143         2353,0         2353,3         2340,0         23710         2370         36         36         36         32         0.1         29         0.6         Manufacturing         3370         336         336         333,3         333,3         333,3         333,3         133,3         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         38,0         34,3         333,3         133,3         13,0         18,0         18,0         18,0         38,0         38,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0         18,0		1994:1	1994:2	1994:3	1994:4	1995:1	1995:2	1995:3	1995:4
Manufacturing   3370   3362   3367   3386   332   0.1   2.9   0.4     Manufacturing   3370   3362   3367   3386   3343   3331   3333   3191     % Ch   -1.2   -0.9   0.6   -2.3   5.8   -4.9   -6.6   -16.0     Nondurable Manufacturing   1056   106.3   107.0   108.1   109.7   108.3   107.5   107.9     % Ch   4.2   2.8   2.8   4.1   5.8   -4.8   -3.0   1.6     Food and Kindred Products   40.3   40.3   40.6   40.9   41.8   41.3   40.5   40.8     % Ch   4.6   0.4   2.6   3.0   9.3   4.7   7.7   3.3     Pulp and Paper   17.0   17.2   17.2   17.3   17.3   17.4   17.4     % Ch   -2.1   3.8   -0.2   3.6   5.6   5.5   5.5     Appared   11.4   20.0   0.5   1.0   -0.1   -2.8   -7.5   3.0     Appared   11.4   20.0   0.5   1.0   -0.1   -2.8   -7.5   3.0     % Ch   5.5   2.4   3.0   4.0   5.5   1.1   0.3   3.2     Chemicals   5.6   5.6   5.7   6.0   6.0   5.5   5.5     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   24.2   24.2   24.4     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0.3   0.9   6.0   24.0   3.3   20.3   20.8     % Ch   -0	Wage and Salary Employment	2286.0	2294.9	2314.3	2335.0	2353.3	2354.0	2371.0	2373.6
We Ch	% Ch		1.6		3.6	3.2	0.1	2.9	
Nondurable Manufacturing   105.6   106.3   107.0   108.1   109.7   108.3   107.5   107.9   % Ch   4.2   2.8   2.8   4.1   5.8   4.8   3.3   1.6   Food and Kindred Products   40.3   40.3   40.6   40.9   41.8   41.3   40.5   40.8   % Ch   4.6   40.4   2.6   3.0   3.0   4.7.7   3.3   Pulp and Paper   17.0   17.2   17.2   17.2   17.3   17.5   17.4   17.4   17.4   % Ch   2.1   3.8   -0.2   3.6   3.9   -1.5   7.5   0.9   -1.9   Apparel   9.1   9.5   9.6   9.6   9.6   9.6   9.5   9.3   9.3   9.3   9.3   9.5   9.6   9.6   9.6   9.6   9.6   9.5   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3   9.3									
% Ch         4.2         2.8         2.8         4.1         5.8         4.8         4.3         0.0         40.8           % Ch         4.6         0.4         2.6         3.0         9.3         4.7         7.7         3.3           Pulp and Paper         17.0         17.2         17.2         17.3         17.5         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4         17.4			-0.9 106.3		2.3 108 1		-4.9 108.3	-6.6 107.5	
Food and Kindred Products									
Pulp and Paper		40.3	40.3	40.6	40.9	41.8	41.3	40.5	40.8
% Ch         2.1         3.8         -0.2         3.6         3.9         -1.5         0.9         -1.9           Apparel         91         9.5         9.6         9.6         9.6         9.6         9.6         9.6         9.5         9.3         9.3           % Ch         11.1         200         0.5         1.0         -0.1         2.8         -7.5         0.2           Printing         23.4         23.5         23.7         23.9         24.2         24.2         24.2         24.2         24.4           % Ch         0.6         5.5         5.6         5.6         5.6         5.7         6.0         6.0         5.6         5.5         5.5           W Ch         0.3         10.2         10.2         10.4         10.5         10.3         10.3         10.5           W Ch         7.2         1.16         9.3         2.6         6.9         11.2         8.1         10.9           W Ch         3.5         1.25         -0.5         1.4         5.8         5.0         8.3         23.5           Lumber and Wood         37.0         36.7         37.3         37.3         37.3         37.3         37.7<			0.4		3.0	9.3			
Apparel 9,1 9,5 9,6 9,6 9,6 9,6 9,5 9,3 9,3 9,3 9,8 % Ch 11,4 200 0,5 1,0 -0.1 -2.8 -7.5 0.2 Printing 23.4 23.5 23.7 23.9 24.2 24.2 24.2 24.2 % % Ch 5.5 5.2 4.4 3.0 4.0 5.5 -1.1 0.3 3.2 Chemicals 5.6 5.6 5.6 5.7 6.0 6.0 5.6 5.5 5.5 % Ch -0.3 0.9 6.0 24.0 -3.3 -20.3 6.4 -1.9 Other Nondurables 10.2 10.2 10.4 10.5 10.6 10.3 10.5 10.5 % Ch 7.2 -1.6 9.3 2.6 6.9 -11.2 8.1 0.7 Other Nondurables 231.4 229.9 229.7 230.5 233.7 230.8 225.9 211.2 % Ch -3.5 -0.5 1.4 5.8 -5.0 8.3 -2.5 Lumber and Wood 37.0 36.2 36.5 36.5 37.2 33.8 35.8 35.8 % Ch 8.6 8.1 3.1 -0.5 8.8 -1.4 30.0 0.7 Furniture 3.6 3.7 3.7 3.7 3.7 3.6 37.8 35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$35.8 \$3			17.2		17.3				
'% Ch         11.4         20.0         0.5         1.0         -0.1         2.8         -7.5         0.2           Printing         23.4         23.5         23.7         23.9         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         24.2         3.6         6.6         5.5         5.5         5.5         5.5         5.6         5.5         5.5         5.5         5.5         9.6         1.0         3.0         6.6         1.1         0.3         10.5         10.6         10.3         10.5         10.6         10.3         10.5         10.6         10.3         10.5         10.6         10.3         10.5         10.5         10.5         10.5         10.6         10.0         10.0         10.0         10.0         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2         20.2	Apparel	-2.1 9.1	3.6 9.5			9.6			9.3
% Ch         5.5         2.4         3.0         4.0         5.5         -1.1         0.3         3.2           Chemicals         5.6         5.6         5.5         5.5         5.5         5.5         5.5         5.5         5.5         5.5         5.5         5.5         5.5         5.5         5.5         5.5         6.0         6.0         2.3         -2.0         6.0         2.4         2.33         -2.0         6.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0 <t< td=""><td>% Ch</td><td>11.4</td><td>20.0</td><td>0.5</td><td>1.0</td><td>-0.1</td><td></td><td>-7.5</td><td>0.2</td></t<>	% Ch	11.4	20.0	0.5	1.0	-0.1		-7.5	0.2
Chemicals         5.6         5.6         5.7         6.0         6.0         5.6         5.5         5.5           % Ch         -0.3         0.9         6.0         24.0         -3.3         -20.3         -64         -1.9           Other Nondurables         10.2         10.2         10.4         10.5         10.6         10.3         10.5         10.5           % Ch         7.2         -1.6         9.3         2.6         6.9         -11.2         8.1         0.7           Wo Ch         3.5         2.25         -0.5         1.4         5.8         -5.0         -8.3         22.5           Wo Ch         8.6         -8.1         3.1         -0.5         8.8         -4.3         0.0         0.7           Furniture         3.6         3.7         3.7         3.7         3.7         3.6         3.7         3.7         3.7         3.6         3.7         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.7         3.6         3.7         3.7         3.7         3.6         3.7         3.7         3.7         3.7         3.6         3.7         3.7         3.7         3.7<			23.5						24.4
% Ch         -0.3         0.9         6.0         24.0         -3.3         -20.3         -6.4         -1.9           When Nondurables         10.2         10.2         10.2         10.5         10.5         10.5         10.5         10.5         10.5         10.5         10.5         10.5         10.5         10.5         10.5         10.6         9.1         2         8.1         0.7           Durable Manufacturing         23.14         229.9         229.7         230.5         23.5         23.8         25.9         21.12         8.0         0.7         8.3         -23.5         10.5         18.8         -5.0         -8.3         -23.5         10.5         18.8         -5.0         -8.3         -23.5         5.0         -5.0         8.8         -5.0         -8.3         -23.5         5.0         -5.0         -8.3         -23.5         5.0         -8.3         -23.5         5.0         -8.3         -23.5         5.0         -8.3         -23.5         5.0         -8.3         -3.3         -3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7				3.0				0.3	3.2
Other Nondurables         10.2         10.4         10.5         10.6         10.3         10.5         10.5           % Ch         7.2         -1.6         9.3         2.6         6.9         -11.2         8.1         0.7           Durable Manufacturing         231.4         229.9         229.7         230.5         233.7         230.8         225.9         211.2           % Ch         8.5         5.2         -5.5         -5.5         -6.5         36.5         36.5         36.5         36.8         -5.0         -8.3         23.5           We Ch         8.6         8.1         3.1         -0.5         8.8         -1.43         0.0         37         3.7           We Ch         16.1         5.9         5.0         -2.5         1.7         -12.0         10.3         4.4           Stone-Clay-Glass         8.6         8.7         8.8         8.9         9.0         9.0         9.2         9.2         9.2           We Ch         9.6         1.6         5.4         2.8         8.2         0.0         3.5         5.6         1.2           Primary Metals         10.9         10.8         10.7         11.1         11.1									
Durable Manufacturing   231.4   229.9   229.7   230.5   233.7   230.8   225.9   211.2     % Ch		10.2	10.2		10.5				
% Ch         3.5         2.5         -0.5         1.4         5.8         5.0         8.3         23.5           W Ch         8.6         -8.1         3.1         -0.5         8.8         -14.3         0.0         0.7           Purniture         3.6         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         <		7.2	-1.6	9.3	2.6	6.9		8.1	
Lumber and Wood   37,0   36,2   36,5   36,5   37,2   35,8   35,8   35,9   % Ch   8,6   -8,1   3,1   -0,5   8,8   -1,43   0,0   0,7   Furniture   3,6   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7   3,7			229.9						
% Ch         8.6         -8.1         3.1         -0.5         8.8         -14.3         0.0         0.7           Furniture         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.6         3.7         3.7         3.7         3.6         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7         3.7 <t< td=""><td></td><td></td><td>-2.5 36.2</td><td></td><td></td><td>3.8 37.2</td><td>-5.0 35.8</td><td>-8.5 35.8</td><td>-23.3 35.9</td></t<>			-2.5 36.2			3.8 37.2	-5.0 35.8	-8.5 35.8	-23.3 35.9
Furniture         3.6         3.7         3.7         3.7         3.6         3.7         3.7           % Ch         16.1         5.9         5.0         2.5         1.7         -12.0         10.3         -4.4           Stone-Clay-Glass         8.6         8.7         8.8         8.9         9.0         9.0         9.2         9.2           % Ch         9.6         1.6         5.4         2.8         8.2         0.3         5.6         1.2           % Ch         9.6         1.6         5.4         2.8         8.2         0.3         5.6         1.2           % Ch         -1.3         -4.7         -5.0         5.1         5.5         4.0         4.7         -2.0           Febricated Metals         12.1         12.4         12.6         13.0         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.5         4.4         14.0         4.7         20.1<		8.6	-8.1			8.8			
Stone-Clay-Glass         8.6         8.7         8.8         8.9         9.0         9.0         9.2         9.2           % Ch         9.6         1.6         5.4         2.8         8.2         0.3         5.6         1.2           Primary Metals         10.9         10.8         10.7         10.8         11.0         11.1         11.2         11.1           % Ch         -1.3         -4.7         -5.0         5.1         5.5         4.0         4.7         -2.0           Febricated Metals         12.1         12.4         12.6         13.0         13.2         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.0         6.6         23.1         22.0         22.0         23.1         22.6         23.1         22.6         23.1         23.6         %         6.6         23.1         23.6         %         11.3         13.6         14.0         4.0         4.0         22.6         23.1         23.6         4.2         13.1         13.5         14.2         23.2         24.2 <td>Furniture</td> <td>3.6</td> <td>3.7</td> <td>3.7</td> <td>3.7</td> <td>3.7</td> <td>3.6</td> <td>3.7</td> <td>3.7</td>	Furniture	3.6	3.7	3.7	3.7	3.7	3.6	3.7	3.7
% Ch         9.6         1.6         5.4         2.8         8.2         0.3         5.6         1.2           Primary Metals         10.9         10.8         11.0         11.1         11.1         11.1         11.1           % Ch         -1.3         -4.7         -5.0         5.1         5.5         4.0         4.7         -2.0           Fabricated Metals         12.1         12.4         12.6         13.0         13.2         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.1         13.6         No.6         No.6         No.6         14.4         10.7         13.4         11.1         19.5         9.3         18.1         13.6         14.0         14.0         48.0         48.0         8.0         12.2         12.4         13.1         13.6         14.1         11.0         48.0         48.0         48.0         48.0         48.0         48.0         48.1         48.2 <td< td=""><td></td><td></td><td>5.9</td><td>5.0</td><td>-2.5</td><td></td><td></td><td></td><td>-4.4</td></td<>			5.9	5.0	-2.5				-4.4
Primary Metals         10.9         10.8         10.7         10.8         11.0         11.1         11.2         11.1           % Ch         -1.3         -4.7         -5.0         5.1         5.5         4.0         4.7         -2.0           Babricated Metals         12.1         12.4         12.6         13.0         13.2         13.1         13.1         13.1           % Ch         6.1         9.9         7.4         12.9         6.5         -1.3         -1.3         0.6           Nonelectrical Machinery         20.4         20.7         20.8         21.3         22.0         22.6         23.1         23.6           % Ch         0.7         6.1         1.4         10.7         13.4         11.1         9.5         9.3           Electrical Machinery         11.5         12.0         12.5         12.4         13.1         13.6         14.0         14.0           % Ch         4.5         18.6         17.2         -3.8         27.2         14.2         12.5         10.0           Where Ch         1.4         4.8         1.7         0.2         3.4         -8.1         -24.8         -56.2           % Ch         2.0<				8.8 5.4		9.0		9.2 5.6	9.2
% Ch         -1.3         -4.7         -5.0         5.1         5.5         4.0         4.7         -2.0           Fabricated Metals         12.1         12.4         12.6         13.0         13.2         13.1         13.1         13.1           % Ch         6.1         9.9         7.4         12.9         6.5         -1.3         -1.3         0.6           Nonelectrical Machinery         10.7         6.1         1.4         10.7         13.4         11.1         9.5         9.3           Electrical Machinery         11.5         12.0         12.5         12.4         13.1         13.6         14.0         14.0           % Ch         4.5         18.6         17.2         -3.8         27.2         14.2         12.5         11.0           Aerospace         94.3         92.3         90.7         90.1         89.4         87.5         81.5         66.2           % Ch         -1.1         -14.3         -8.0         -7.0         -2.3         -3.4         -8.1         -24.8         -56.4           Other Trans. Equip.         12.9         12.9         13.1         13.5         14.6         14.1         14.0         14.1         14.0			10.8						11.1
% Ch         6.1         9.9         7.4         12.9         6.5         -1.3         -1.3         0.6           Nonelectrical Machinery         20.4         20.7         20.8         21.3         22.0         22.6         23.1         23.6           % Ch         0.7         6.1         1.4         10.7         13.4         11.1         9.5         9.3           Electrical Machinery         11.5         12.0         12.5         12.4         13.1         13.6         14.0         14.0           % Ch         4.5         18.6         17.2         -3.8         27.2         14.2         12.5         1.0           Aerospace         94.3         92.3         90.7         90.1         89.4         87.5         81.5         66.2           % Ch         -14.3         -8.0         -7.0         -2.3         -3.4         -8.1         -24.8         -56.4           Other Trans. Equip.         12.9         13.0         13.0         13.1         13.2         12.7         12.8         12.8           % Ch         20.2         1.4         6.9         11.2         37.2         -7.4         -7.1         -1.1         11.5         14.6         1	% Ch	-1.3	-4.7	-5.0	5.1	5.5		4.7	-2.0
Nonelectrical Machinery %Ch         20.4         20.7         20.8         21.3         22.0         22.6         23.1         23.6           %Ch         0.7         6.1         1.4         10.7         13.4         11.1         9.5         9.3           Electrical Machinery         11.5         12.0         12.5         12.4         13.1         13.6         14.0         14.0           % Ch         4.5         18.6         17.2         -3.8         27.2         14.2         12.5         1.0           Aerospace         94.3         92.3         90.7         90.1         89.4         87.5         81.5         66.2           % Ch         -14.3         -8.0         -7.0         -2.3         -3.4         -8.1         -24.8         -56.4           Other Trans. Equip.         12.9         12.9         13.1         13.5         14.6         14.3         14.1         14.0           % Ch         20.2         1.4         6.9         11.2         37.2         -7.4         -7.1         -1.1         13.0         13.1         13.2         12.7         12.8         12.8           % Ch         20.2         1.4         1.9         1.2				12.6					
% Ch         0.7         6.1         1.4         10.7         13.4         11.1         9.5         9.3           Electrical Machinery         11.5         12.0         12.5         12.4         13.1         13.6         14.0         14.0           % Ch         4.5         18.6         17.2         -3.8         27.2         14.2         12.5         1.0           Aerospace         94.3         92.3         90.7         90.1         89.4         87.5         81.5         66.2           % Ch         -14.3         -8.0         -7.0         -2.3         -3.4         -8.1         -24.8         -56.4           Other Trans. Equip.         12.9         11.3         13.5         14.6         14.3         14.1         14.0           % Ch         20.2         1.4         6.9         11.2         37.2         -7.4         -7.1         1.1         14.1         14.0         14.1         14.0         14.1         14.0         14.1         14.0         14.1         14.1         14.0         14.1         14.1         14.0         14.1         14.0         14.1         14.0         14.1         14.0         14.1         14.0         14.0         14.0			9.9		12.9	6.5			0.6
Electrical Machinery         11.5         12.0         12.5         12.4         13.1         13.6         14.0         14.0           % Ch         4.5         18.6         17.2         -3.8         27.2         14.2         12.5         1.0           Aerospace         94.3         92.3         90.7         90.1         89.4         87.5         81.5         66.2           % Ch         -14.3         -8.0         -7.0         -2.3         -3.4         -8.1         -24.8         -56.4           Other Trans. Equip.         12.9         12.9         13.1         13.5         14.6         14.3         14.1         14.0           % Ch         20.2         1.4         6.9         11.2         37.2         -7.4         -7.1         -1.1           Instruments         12.9         13.0         13.0         13.1         13.2         12.7         12.8         12.8           % Ch         -10.4         1.8         -1.4         5.2         2.6         -13.3         2.8         -1.3           Other Durables         7.1         7.2         7.3         7.2         7.3         7.2         27.3         7.4         7.4         7.5 <t< td=""><td></td><td></td><td></td><td></td><td>21.3 10.7</td><td></td><td></td><td></td><td></td></t<>					21.3 10.7				
% Ch         4.5         18.6         17.2         -3.8         27.2         14.2         12.5         1.0           Aerospace         94.3         92.3         90.7         90.1         88.4         87.5         81.5         66.2           % Ch         -14.3         -8.0         -7.0         -2.3         -3.4         -8.1         -24.8         -56.4           Other Trans. Equip.         12.9         12.9         13.1         13.5         14.6         14.3         14.1         14.0           % Ch         20.2         1.4         6.9         11.2         37.2         -7.4         -7.1         -1.1           M Ch         10.4         1.8         -1.4         5.2         2.6         -13.3         2.8         -1.3           Other Durables         7.1         7.2         7.3         7.2         7.3         7.4         7.4         7.5         % Ch           Nonmanufacturing         1949.0         1958.7         1977.6         1996.4         2009.9         2014.9         2037.6         2054.5           % Ch         2.9         2.0         3.9         3.9         2.7         1.0         4.6         3.4           Mining <td></td> <td></td> <td>12.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			12.0						
% Ch         -14.3         -8.0         -7.0         -2.3         -3.4         -8.1         -24.8         -56.4           Other Trans. Equip.         12.9         12.9         12.9         13.1         13.5         14.6         14.3         14.1         14.0           % Ch         20.2         1.4         6.9         11.2         37.2         -7.4         -7.1         -1.1           Instruments         12.9         13.0         13.0         13.1         13.2         12.7         12.8         12.8           % Ch         -10.4         1.8         -1.4         5.2         2.6         -13.3         2.8         -1.3           Other Durables         7.1         7.2         7.3         7.2         7.3         7.4         7.4         7.7         7.5           % Ch         2.0         4.6         8.0         -4.9         4.3         3.9         1.3         6.1           Nonmanufacturing         1949.0         1958.7         1977.6         1996.4         2009.9         2014.9         2037.6         2054.5           % Ch         2.9         2.0         3.9         3.9         2.7         1.0         4.6         3.4	% Ch		18.6			27.2		12.5	1.0
Other Trans. Equip.         12.9         12.9         13.1         13.5         14.6         14.3         14.1         14.0           % Ch         20.2         1.4         6.9         11.2         37.2         -7.4         -7.1         -1.1           Instruments         12.9         13.0         13.0         13.1         13.2         12.7         12.8         12.8           % Ch         -10.4         1.8         -1.4         5.2         2.6         -13.3         2.8         -1.3           Other Durables         7.1         7.2         7.3         7.2         7.3         7.4         7.4         7.5           % Ch         2.0         4.6         8.0         -4.9         4.3         3.9         1.3         6.1           Nonmanufacturing         1949.0         1958.7         1977.6         1996.4         2009.9         2014.9         2037.6         2054.5           % Ch         2.9         2.0         3.9         3.9         2.7         1.0         4.6         3.4           Mining         3.3         3.4         3.4         3.4         3.4         3.4         3.5         3.5           % Ch         0.1			92.3	90.7	90.1			81.5	
% Ch         20.2         1.4         6.9         11.2         37.2         -7.4         -7.1         -1.1           Instruments         12.9         13.0         13.0         13.1         13.2         12.7         12.8         12.8           % Ch         -10.4         1.8         -1.4         5.2         2.6         -13.3         2.8         -1.3           Other Durables         7.1         7.2         7.3         7.2         7.3         7.4         7.4         7.5           % Ch         2.0         4.6         8.0         -4.9         4.3         3.9         1.3         6.1           Nonmanufacturing         1949.0         1958.7         1977.6         1996.4         2009.9         2014.9         2037.6         2054.5           % Ch         2.9         2.0         3.9         3.9         2.7         1.0         4.6         3.4           Mining         3.3         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.4         3.5         3.5         4.0         2.1         5.5			-8.0 12.9		-2.3 13.5				
Instruments									
Other Durables         7.1         7.2         7.3         7.2         7.3         7.4         7.4         7.5           % Ch         2.0         4.6         8.0         -4.9         4.3         3.9         1.3         6.1           Nonmanufacturing         1949.0         1958.7         1977.6         1996.4         2009.9         2014.9         2037.6         2054.5           % Ch         2.9         2.0         3.9         3.9         2.7         1.0         4.6         3.4           Mining         3.3         3.4         3.4         3.4         3.4         3.4         3.5         3.5           % Ch         4.1         7.2         2.4         2.4         -0.3         1.0         4.8         4.0           Construction         123.2         123.5         123.9         123.5         123.8         122.7         124.5         124.9           % Ch         0.8         1.0         1.5         -1.5         1.2         -3.5         5.8         1.3           Trans., Comm. and Utilities         114.8         115.4         117.2         119.4         119.8         120.0         121.2         122.4           Wholesale Trade		12.9	13.0	13.0	13.1	13.2	12.7	12.8	12.8
% Ch         2.0         4.6         8.0         -4.9         4.3         3.9         1.3         6.1           Nonmanufacturing         1949.0         1958.7         1977.6         1996.4         2009.9         2014.9         2037.6         2054.5           % Ch         2.9         2.0         3.9         3.9         2.7         1.0         4.6         3.4           Mining         3.3         3.4         3.4         3.4         3.4         3.4         3.5         3.5           % Ch         4.1         7.2         2.4         2.4         -0.3         1.0         4.8         4.0           Construction         123.2         123.5         123.9         123.5         123.8         122.7         124.5         124.9           % Ch         0.8         1.0         1.5         -1.5         1.2         -3.5         5.8         1.3           Trans., Comm. and Utilities         114.8         115.4         117.2         119.4         119.8         120.0         121.2         122.4           Wholesale Trade         137.0         137.4         138.6         141.1         142.6         143.8         146.1         147.1           % Ch			1.8						-1.3
Nonmanufacturing         1949.0         1958.7         1977.6         1996.4         2009.9         2014.9         2037.6         2054.5           % Ch         2.9         2.0         3.9         3.9         2.7         1.0         4.6         3.4           Mining         3.3         3.4         3.4         3.4         3.4         3.4         3.5         3.5           % Ch         4.1         7.2         2.4         2.4         -0.3         1.0         4.8         4.0           Construction         123.2         123.5         123.9         123.5         123.8         122.7         124.5         124.9           % Ch         0.8         1.0         1.5         -1.5         1.2         -3.5         5.8         1.3           Trans., Comm. and Utilities         114.8         115.4         117.2         119.4         119.8         120.0         121.2         122.4           % Ch         3.0         2.1         6.3         7.7         1.6         0.4         4.2         4.1           Wholesale Trade         137.0         137.4         138.6         141.1         142.6         143.8         146.1         147.1           % Ch									
% Ch       2.9       2.0       3.9       3.9       2.7       1.0       4.6       3.4         Mining       3.3       3.4       3.4       3.4       3.4       3.4       3.4       3.5       3.5         % Ch       4.1       7.2       2.4       2.4       -0.3       1.0       4.8       4.0         Construction       123.2       123.5       123.9       123.5       123.8       122.7       124.5       124.9         % Ch       0.8       1.0       1.5       -1.5       1.2       -3.5       5.8       1.3         Trans., Comm. and Utilities       114.8       115.4       117.2       119.4       119.8       120.0       121.2       122.4         % Ch       3.0       2.1       6.3       7.7       1.6       0.4       4.2       4.1         Wholesale Trade       137.0       137.4       138.6       141.1       142.6       143.8       146.1       147.1         % Ch       3.6       1.3       3.6       7.4       4.1       3.4       6.6       3.0         Retail Trade       422.3       424.2       428.7       432.5       439.6       437.7       442.1       44.5 <td></td> <td></td> <td>1958.7</td> <td></td> <td></td> <td></td> <td></td> <td>2037.6</td> <td></td>			1958.7					2037.6	
% Ch         4.1         7.2         2.4         2.4         -0.3         1.0         4.8         4.0           Construction         123.2         123.5         123.9         123.5         123.8         122.7         124.5         124.9           % Ch         0.8         1.0         1.5         -1.5         1.2         -3.5         5.8         1.3           Trans., Comm. and Utilities         114.8         115.4         117.2         119.4         119.8         120.0         121.2         122.4           % Ch         3.0         2.1         6.3         7.7         1.6         0.4         4.2         4.1           Wholesale Trade         137.0         137.4         138.6         141.1         142.6         143.8         146.1         147.1           % Ch         3.6         1.3         3.6         7.4         4.1         3.4         6.6         3.0           Retail Trade         422.3         424.2         428.7         432.5         439.6         437.7         442.1         446.5           % Ch         4.2         1.9         4.3         3.6         6.7         -1.8         4.1         4.1           Finance-Insurance-Real E		2.9	2.0	3.9	3.9	2.7	1.0	4.6	3.4
Construction         123.2         123.5         123.9         123.5         123.8         122.7         124.5         124.9           % Ch         0.8         1.0         1.5         -1.5         1.2         -3.5         5.8         1.3           Trans., Comm. and Utilities         114.8         115.4         117.2         119.4         119.8         120.0         121.2         122.4           % Ch         3.0         2.1         6.3         7.7         1.6         0.4         4.2         4.1           Wholesale Trade         137.0         137.4         138.6         141.1         142.6         143.8         146.1         147.1           % Ch         3.6         1.3         3.6         7.4         4.1         3.4         6.6         3.0           Retail Trade         422.3         424.2         428.7         432.5         439.6         437.7         442.1         446.5           % Ch         4.2         1.9         4.3         3.6         6.7         -1.8         4.1         4.1           Finance-Insurance-Real Estate         126.2         125.5         124.0         122.8         122.7         121.9         122.0         121.9      <									
% Ch         0.8         1.0         1.5         -1.5         1.2         -3.5         5.8         1.3           Trans., Comm. and Utilities         114.8         115.4         117.2         119.4         119.8         120.0         121.2         122.4           % Ch         3.0         2.1         6.3         7.7         1.6         0.4         4.2         4.1           Wholesale Trade         137.0         137.4         138.6         141.1         142.6         143.8         146.1         147.1           % Ch         3.6         1.3         3.6         7.4         4.1         3.4         6.6         3.0           Retail Trade         422.3         424.2         428.7         432.5         439.6         437.7         442.1         446.5           % Ch         4.2         1.9         4.3         3.6         6.7         -1.8         4.1         4.1           Finance-Insurance-Real Estate         126.2         125.5         124.0         122.8         122.7         121.9         122.0         121.9           % Ch         8.5         -2.4         -4.7         -3.7         -0.4         -2.5         0.3         -0.5           Se									
Trans., Comm. and Utilities         114.8         115.4         117.2         119.4         119.8         120.0         121.2         122.4           % Ch         3.0         2.1         6.3         7.7         1.6         0.4         4.2         4.1           Wholesale Trade         137.0         137.4         138.6         141.1         142.6         143.8         146.1         147.1           % Ch         3.6         1.3         3.6         7.4         4.1         3.4         6.6         3.0           Retail Trade         422.3         424.2         428.7         432.5         439.6         437.7         442.1         446.5           % Ch         4.2         1.9         4.3         3.6         6.7         -1.8         4.1         4.1           Finance-Insurance-Real Estate         126.2         125.5         124.0         122.8         122.7         121.9         122.0         121.9           % Ch         8.5         -2.4         -4.7         -3.7         -0.4         -2.5         0.3         -0.5           Services         587.4         593.2         604.9         610.8         616.3         621.8         633.0         641.0      <									
Wholesale Trade       137.0       137.4       138.6       141.1       142.6       143.8       146.1       147.1         % Ch       3.6       1.3       3.6       7.4       4.1       3.4       6.6       3.0         Retail Trade       422.3       424.2       428.7       432.5       439.6       437.7       442.1       446.5         % Ch       4.2       1.9       4.3       3.6       6.7       -1.8       4.1       4.1         Finance-Insurance-Real Estate       126.2       125.5       124.0       122.8       122.7       121.9       122.0       121.9         % Ch       8.5       -2.4       -4.7       -3.7       -0.4       -2.5       0.3       -0.5         Services       587.4       593.2       604.9       610.8       616.3       621.8       633.0       641.0         % Ch       2.1       4.0       8.1       3.9       3.7       3.6       7.3       5.2         State and Local Government       363.4       364.6       365.5       371.3       370.9       375.0       377.6       380.0         % Ch       2.1       1.3       1.0       6.5       -0.5       4.5       2.8<									
% Ch       3.6       1.3       3.6       7.4       4.1       3.4       6.6       3.0         Retail Trade       422.3       424.2       428.7       432.5       439.6       437.7       442.1       446.5         % Ch       4.2       1.9       4.3       3.6       6.7       -1.8       4.1       4.1         Finance-Insurance-Real Estate       126.2       125.5       124.0       122.8       122.7       121.9       122.0       121.9         % Ch       8.5       -2.4       -4.7       -3.7       -0.4       -2.5       0.3       -0.5         Services       587.4       593.2       604.9       610.8       616.3       621.8       633.0       641.0         % Ch       2.1       4.0       8.1       3.9       3.7       3.6       7.3       5.2         State and Local Government       363.4       364.6       365.5       371.3       370.9       375.0       377.6       380.0         % Ch       2.1       1.3       1.0       6.5       -0.5       4.5       2.8       2.5         Federal Government       71.4       71.5       71.4       71.7       70.8       68.6       67.8									
Retail Trade       422.3       424.2       428.7       432.5       439.6       437.7       442.1       446.5         % Ch       4.2       1.9       4.3       3.6       6.7       -1.8       4.1       4.1         Finance-Insurance-Real Estate       126.2       125.5       124.0       122.8       122.7       121.9       122.0       121.9         % Ch       8.5       -2.4       -4.7       -3.7       -0.4       -2.5       0.3       -0.5         Services       587.4       593.2       604.9       610.8       616.3       621.8       633.0       641.0         % Ch       2.1       4.0       8.1       3.9       3.7       3.6       7.3       5.2         State and Local Government       363.4       364.6       365.5       371.3       370.9       375.0       377.6       380.0         % Ch       2.1       1.3       1.0       6.5       -0.5       4.5       2.8       2.5         Federal Government       71.4       71.5       71.4       71.7       70.8       68.6       67.8       67.2									
% Ch       4.2       1.9       4.3       3.6       6.7       -1.8       4.1       4.1         Finance-Insurance-Real Estate       126.2       125.5       124.0       122.8       122.7       121.9       122.0       121.9         % Ch       8.5       -2.4       -4.7       -3.7       -0.4       -2.5       0.3       -0.5         Services       587.4       593.2       604.9       610.8       616.3       621.8       633.0       641.0         % Ch       2.1       4.0       8.1       3.9       3.7       3.6       7.3       5.2         State and Local Government       363.4       364.6       365.5       371.3       370.9       375.0       377.6       380.0         % Ch       2.1       1.3       1.0       6.5       -0.5       4.5       2.8       2.5         Federal Government       71.4       71.5       71.4       71.7       70.8       68.6       67.8       67.2									
Finance-Insurance-Real Estate       126.2       125.5       124.0       122.8       122.7       121.9       122.0       121.9         % Ch       8.5       -2.4       -4.7       -3.7       -0.4       -2.5       0.3       -0.5         Services       587.4       593.2       604.9       610.8       616.3       621.8       633.0       641.0         % Ch       2.1       4.0       8.1       3.9       3.7       3.6       7.3       5.2         State and Local Government       363.4       364.6       365.5       371.3       370.9       375.0       377.6       380.0         % Ch       2.1       1.3       1.0       6.5       -0.5       4.5       2.8       2.5         Federal Government       71.4       71.5       71.4       71.7       70.8       68.6       67.8       67.2									
Services         587.4         593.2         604.9         610.8         616.3         621.8         633.0         641.0           % Ch         2.1         4.0         8.1         3.9         3.7         3.6         7.3         5.2           State and Local Government         363.4         364.6         365.5         371.3         370.9         375.0         377.6         380.0           % Ch         2.1         1.3         1.0         6.5         -0.5         4.5         2.8         2.5           Federal Government         71.4         71.5         71.4         71.7         70.8         68.6         67.8         67.2	Finance-Insurance-Real Estate	126.2	125.5	124.0	122.8	122.7	121.9	122.0	121.9
% Ch       2.1       4.0       8.1       3.9       3.7       3.6       7.3       5.2         State and Local Government       363.4       364.6       365.5       371.3       370.9       375.0       377.6       380.0         % Ch       2.1       1.3       1.0       6.5       -0.5       4.5       2.8       2.5         Federal Government       71.4       71.5       71.4       71.7       70.8       68.6       67.8       67.2									
State and Local Government       363.4       364.6       365.5       371.3       370.9       375.0       377.6       380.0         % Ch       2.1       1.3       1.0       6.5       -0.5       4.5       2.8       2.5         Federal Government       71.4       71.5       71.4       71.7       70.8       68.6       67.8       67.2									641.0 5.2
% Ch 2.1 1.3 1.0 6.5 -0.5 4.5 2.8 2.5 Federal Government 71.4 71.5 71.4 71.7 70.8 68.6 67.8 67.2									
Federal Government 71.4 71.5 71.4 71.7 70.8 68.6 67.8 67.2	% Ch	2.1	1.3	1.0	6.5	-0.5	4.5	2.8	2.5
% Cn -2.5 0.2 -0.6 1.9 -5.1 -11.4 -5.0 -3.0									
	% Cn	-2.5	0.2	-0.6	1.9	-5.1	-11.4	-5.0	-3.0

TABLE 2.4
Washington Nonagricultural Employment by Industry
Forecast 1995 to 1997

	1996:1	1996:2	1996:3	1996:4	1997:1	1997:2	1997:3	1997:4
Wage and Salary Employment	2403.5	2418.5	2434.9	2450.4	2467.5	2485.0	2502.8	2520.6
% Ch	5.1	2.5	2.7	2.6	2.8	2.9	2.9	2.9
Manufacturing	334.3	334.8	335.4	335.9	337.0	338.1	339.4	340.7
% Ch Nondurable Manufacturing	20.4 108.4	0.6 109.0	0.7 109.5	0.7 110.0	1.3 110.6	1.3 111.1	1.5 111.5	1.6 112.1
% Ch	1.8	2.2	2.0	1.9	2.0	1.7	1.7	1.9
Food and Kindred Products	41.1	41.2	41.4	41.6	41.9	42.1	42.2	42.4
% Ch	2.7	1.6	1.9	2.0	2.8	1.6	1.6	1.9
Pulp and Paper % Ch	17.3 -0.3	17.4 0.5	17.4 0.4	17.4 0.3	17.4 0.5	17.4 0.4	17.4 0.2	17.5 0.3
Apparel	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
% Ch	1.8	1.8	0.7	-0.5	-0.4	-0.0	0.1	0.2
Printing	24.5	24.7	24.9	25.1	25.2	25.4	25.6	25.8
% Ch Chemicals	1.6 5.5	4.0 5.6	2.8 5.6	2.8 5.6	2.8 5.6	3.0 5.7	3.0 5.7	3.0 5.7
% Ch	2.2	3.4	1.6	1.0	1.0	1.3	1.7	2.0
Other Nondurables	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.2
% Ch	1.8	3.1	5.1	4.2	2.7	3.0	3.2	3.3
Durable Manufacturing % Ch	225.9 30.9	225.8 -0.2	225.8 0.1	225.9 0.1	226.4 1.0	227.0 1.1	227.8 1.4	228.6 1.4
Lumber and Wood	35.8	35.8	35.7	35.6	35.5	35.5	35.5	35.6
% Ch	-0.9	-0.4	-0.8	-0.9	-1.0	-0.8	0.0	1.0
Furniture	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8
% Ch Stone-Clay-Glass	1.6 9.2	1.6 9.2	3.5 9.2	1.9 9.2	1.8 9.2	2.1 9.2	2.6 9.3	2.7 9.3
% Ch	0.5	-0.1	0.3	0.8	0.5	0.5	0.6	0.7
Primary Metals	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
% Ch	-0.8	-0.4	0.6	0.6	-0.6	-1.1	0.1	1.2
Fabricated Metals % Ch	13.1 0.5	13.2 1.3	13.3 2.3	13.3 1.6	13.4 1.5	13.4 1.6	13.5 1.9	13.5 1.8
Nonelectrical Machinery	23.6	23.6	23.6	23.7	23.7	23.8	24.0	24.1
% Ch	0.3	-0.3	0.1	0.6	1.2	1.8	2.1	2.0
Electrical Machinery	14.3	14.5	14.8	15.1	15.5	15.8	16.2	16.6
% Ch	7.7 80.7	7.3 80.2	8.2 79.7	8.8 79.2	9.4	8.6 79.2	9.7 79.2	10.4
Aerospace % Ch	120.8	-2.5	-2.5	-2.5	79.2 0.0	0.0	0.0	79.2 0.0
Other Trans. Equip.	14.1	14.1	14.2	14.3	14.4	14.5	14.5	14.6
% Ch	1.0	0.9	2.3	2.7	2.7	2.8	2.1	1.7
Instruments	12.7 -2.4	12.8 2.3	12.9 2.1	12.9	12.9	12.9 1.0	13.0 1.7	13.0
% Ch Other Durables	7.5	2.3 7.6	7.6	0.4 7.7	1.0 7.7	7.8	7.8	-0.9 7.9
% Ch	1.9	2.0	1.8	2.5	2.3	2.7	2.7	2.2
Nonmanufacturing	2069.2	2083.7	2099.5	2114.4	2130.4	2146.9	2163.5	2179.9
% Ch	2.9 3.5	2.8 3.5	3.1	2.9	3.1	3.1	3.1	3.1
Mining % Ch	2.4	1.2	3.5 1.5	3.5 1.7	3.6 1.6	3.6 1.8	3.6 1.9	3.6 1.9
Construction	125.1	124.8	125.5	125.7	126.1	126.4	126.8	127.3
% Ch	0.8	-1.1	2.2	0.9	1.0	1.2	1.3	1.6
Trans., Comm. and Utilities % Ch	123.0 1.8	123.5	124.1	124.7	125.3	126.0	126.7	127.3
Wholesale Trade	1.8	1.8 148.7	2.0 149.6	1.9 150.4	2.1 151.3	2.1 152.1	2.2 153.0	2.1 154.0
% Ch	1.8	2.4	2.4	2.3	2.3	2.3	2.4	2.5
Retail Trade	450.1	453.7	457.2	460.4	464.1	467.9	471.8	475.5
% Ch Finance-Insurance-Real Estate	3.2	3.3 122.8	3.1	2.8	3.3	3.3	3.4	3.2
% Ch	122.5 2.0	1.1	123.4 2.1	123.9 1.6	124.5 2.0	125.0 1.6	125.5 1.6	126.0 1.5
Services	647.4	654.0	660.8	667.6	674.8	682.6	690.3	697.7
% Ch	4.1	4.1	4.2	4.2	4.4	4.7	4.6	4.4
State and Local Government	382.9	386.1	389.3	392.5	395.4	398.3	401.0	404.1
% Ch Federal Government	3.2 66.9	3.4 66.5	3.3 66.1	3.3 65.7	3.1 65.3	2.9 64.9	2.8 64.7	3.1 64.3
% Ch	-1.9	-2.4	-2.3	-2.8	-2.2	-2.2	-1.7	-2.3

TABLE 3.1

U.S. Personal Income by Component
Forecast 1995 to 1997

	1990	1991	1992	1993	1994	1995	1996	1997
Personal Income	4673.8	4860.3	5154.4	5375.1	5701.7	6050.1	6343.0	6646.2
% Ch	6.7	4.0	6.1	4.3	6.1	6.1	4.8	4.8
Total Wage and Salary Disbursements % Ch	2745.0	2816.1	2974.8	3080.8	3279.0	3449.6	3621.9	3794.5
	6.1	2.6	5.6	3.6	6.4	5.2	5.0	4.8
Nonwage Personal Income	1928.8	2044.2	2179.6	2294.3	2422.8	2600.5	2721.1	2851.6
% Ch	7.5	6.0	6.6	5.3	5.6	7.3	4.6	4.8
Other Labor Income	274.3	299.1	328.7	355.3	381.0	406.8	429.4	460.0
% Ch	8.9	9.0	9.9	8.1	7.2	6.8	5.6	7.1
Proprietor's Income % Ch Farm % Ch Nonfarm % Ch Less: Pers Cont. For Social Ins.	363.3 4.6 42.0 4.2 321.4 4.7	376.2 3.5 36.7 -12.6 339.5 5.6	418.7 11.3 44.4 21.1 374.4 10.3 248.7	441.6 5.5 37.3 -15.9 404.3 8.0 261.3	473.7 7.3 39.5 5.9 434.2 7.4 281.4	492.9 4.1 38.4 -2.7 454.5 4.7	506.8 2.8 41.7 8.4 465.1 2.3	526.4 3.9 41.8 0.3 484.6 4.2 328.6
% Ch	6.4	5.0	5.3	5.1	7.7	5.5	5.1	5.3
Dividends/Int./Rent	828.5	835.1	820.6	843.4	886.0	974.0	1019.0	1066.3
% Ch	6.1	0.8	-1.7	2.8	5.1	9.9	4.6	4.6
Transfer Payments % Ch	687.6	770.1	860.2	915.4	963.4	1023.8	1077.9	1127.5
	10.0	12.0	11.7	6.4	5.2	6.3	5.3	4.6

TABLE 3.2

U.S. Personal Income by Component
Forecast 1995 to 1997

	1992:1	1992:2	1992:3	1992:4	1993:1	1993:2	1993:3	1993:4
Personal Income	5032.4	5101.9	5148.1	5335.0	5255.5	5364.5	5395.9	5484.6
% Ch	8.2	5.6	3.7	15.3	-5.8	8.6	2.4	6.7
Total Wage and Salary Disbursements % Ch	2893.9	2933.4	2973.1	3098.8	2973.9	3085.1	3115.9	3148.4
	5.7	5.6	5.5	18.0	-15.2	15.8	4.1	4.2
Nonwage Personal Income	2138.5	2168.5	2175.0	2236.2	2281.6	2279.4	2280.0	2336.2
% Ch	11.8	5.7	1.2	11.7	8.4	-0.4	0.1	10.2
Other Labor Income	318.4	326.0	332.6	337.8	344.1	351.4	358.8	366.8
% Ch	10.4	9.9	8.3	6.4	7.7	8.8	8.7	9.2
Proprietor's Income % Ch Farm % Ch Nonfarm % Ch	410.9	412.8	412.8	438.4	444.4	438.8	420.3	462.9
	27.9	1.9	0.0	27.2	5.6	-4.9	-15.8	47.1
	49.0	43.7	38.8	46.0	49.6	39.4	15.8	44.4
	221.3	-36.7	-37.9	97.6	35.2	-60.2	-97.4	6136.0
	361.9	369.1	374.0	392.4	394.8	399.4	404.5	418.5
	14.6	8.2	5.4	21.2	2.5	4.7	5.2	14.6
Less: Pers Cont. For Social Ins. % Ch	244.4	247.0	249.9	253.4	253.2	261.5	263.8	266.6
	10.1	4.3	4.8	5.7	-0.3	13.8	3.6	4.3
Dividends/Int./Rent	813.9	821.5	812.0	835.1	847.7	840.4	843.2	842.1
% Ch	-5.4	3.8	-4.5	11.9	6.2	-3.4	1.3	-0.5
Transfer Payments	839.6	855.3	867.5	878.4	898.6	910.4	921.6	931.0
% Ch	23.7	7.7	5.8	5.1	9.5	5.4	5.0	4.1

TABLE 3.2

U.S. Personal Income by Component
Forecast 1995 to 1997

	1994:1	1994:2	1994:3	1994:4	1995:1	1995:2	1995:3	1995:4
Personal Income	5555.8	5659.9	5734.5	5856.6	5962.0	6008.1	6077.5	6152.8
% Ch	5.3	7.7	5.4	8.8	7.4	3.1	4.7	5.1
Total Wage and Salary Disbursements % Ch	3208.3	3257.2	3293.9	3356.4	3403.4	3422.3	3464.8	3508.0
	7.8	6.2	4.6	7.8	5.7	2.2	5.1	5.1
Nonwage Personal Income	2347.5	2402.7	2440.6	2500.2	2558.6	2585.8	2612.7	2644.8
% Ch	1.9	9.7	6.5	10.1	9.7	4.3	4.2	5.0
Other Labor Income % Ch	373.2	378.4	383.7	388.7	399.6	403.9	407.8	415.9
	7.2	5.7	5.7	5.3	11.7	4.4	3.9	8.3
Proprietor's Income % Ch Farm % Ch Nonfarm % Ch	471.0	471.2	466.9	485.7	493.6	487.2	490.0	500.9
	7.2	0.2	-3.6	17.1	6.7	-5.1	2.4	9.2
	47.2	39.3	29.8	41.7	44.4	35.0	30.6	43.7
	27.7	-51.9	-66.9	283.4	28.5	-61.4	-41.5	317.6
	423.8	431.9	437.1	444.0	449.2	452.2	459.4	457.2
	5.2	7.9	4.9	6.5	4.8	2.7	6.6	-2.0
Less: Pers Cont. For Social Ins. % Ch	276.3	279.9	282.9	286.6	293.8	295.4	298.3	300.5
	15.4	5.3	4.4	5.3	10.4	2.2	4.0	3.1
Dividends/Int./Rent	832.1	875.2	903.7	932.8	954.5	971.6	980.7	989.1
% Ch	-4.7	22.4	13.7	13.5	9.6	7.4	3.8	3.4
Transfer Payments	947.4	957.6	969.0	979.7	1004.8	1018.6	1032.5	1039.4
% Ch	7.2	4.4	4.8	4.5	10.6	5.6	5.6	2.7

TABLE 3.2

U.S. Personal Income by Component
Forecast 1995 to 1997

	1996:1	1996:2	1996:3	1996:4	1997:1	1997:2	1997:3	1997:4
Personal Income	6235.6	6307.4	6374.3	6454.6	6543.3	6612.3	6676.6	6752.5
% Ch	5.5	4.7	4.3	5.1	5.6	4.3	3.9	4.6
Total Wage and Salary Disbursements % Ch	3559.3	3601.4	3642.5	3684.3	3729.8	3774.3	3816.0	3858.0
	6.0	4.8	4.6	4.7	5.0	4.9	4.5	4.5
Nonwage Personal Income	2676.3	2706.0	2731.8	2770.3	2813.4	2837.9	2860.6	2894.5
% Ch	4.9	4.5	3.9	5.8	6.4	3.5	3.2	4.8
Other Labor Income	418.3	425.8	433.2	440.4	448.3	456.1	463.8	471.8
% Ch	2.3	7.3	7.1	6.9	7.3	7.2	7.0	7.1
Proprietor's Income % Ch Farm % Ch Nonfarm % Ch	503.3	506.1	501.7	516.1	520.6	525.2	523.5	536.3
	1.9	2.3	-3.5	12.0	3.6	3.5	-1.2	10.1
	44.4	43.4	34.5	44.5	43.9	43.4	36.3	43.6
	5.7	-8.7	-59.7	174.6	-5.1	-4.0	-51.3	108.6
	459.0	462.8	467.1	471.7	476.8	481.7	487.2	492.7
	1.6	3.4	3.8	3.9	4.4	4.2	4.7	4.6
Less: Pers Cont. for Social Ins.	306.9	310.4	314.0	316.9	322.9	326.7	330.3	334.4
% Ch	8.7	4.6	4.7	3.8	7.7	4.9	4.5	5.0
Dividends/Int./Rent	1001.0	1011.4	1025.6	1038.0	1052.8	1060.1	1071.0	1081.3
% Ch	4.9	4.2	5.7	4.9	5.8	2.8	4.2	3.9
Transfer Payments	1060.6	1073.1	1085.4	1092.7	1114.6	1123.3	1132.6	1139.4
% Ch	8.4	4.8	4.7	2.7	8.2	3.2	3.3	2.4

TABLE 3.3

Washington Personal Income by Component
Forecast 1995 to 1997

	1990	1991	1992	1993	1994	1995	1996	1997
Personal Income	94.420	101.207	109.702	114.842	120.444	127.643	134.744	142.411
% Ch	10.0	7.2	8.4	4.7	4.9	6.0	5.6	5.7
Total Wage and Salary Disbursements % Ch	54.138	57.961	62.934	64.636	67.688	71.430	75.693	80.100
	10.8	7.1	8.6	2.7	4.7	5.5	6.0	5.8
Manufacturing % Ch Nondurable Manufacturing % Ch Durable Manufacturing % Ch	11.867	11.731	12.360	12.074	12.318	12.602	13.081	13.680
	7.6	-1.1	5.4	-2.3	2.0	2.3	3.8	4.6
	3.030	2.825	2.962	3.116	3.304	3.440	3.594	3.789
	9.5	-6.8	4.8	5.2	6.1	4.1	4.5	5.4
	8.836	8.905	9.399	8.959	9.014	9.162	9.487	9.891
	7.0	0.8	5.5	-4.7	0.6	1.6	3.5	4.3
Nonmanufacturing	39.763	43.571	47.805	49.814	52.534	55.880	59.555	63.234
% Ch	11.7	9.6	9.7	4.2	5.5	6.4	6.6	6.2
Other Private Wages	0.583	0.639	0.654	0.627	0.655	0.687	0.742	0.796
% Ch	21.5	9.6	2.4	-4.1	4.4	4.9	8.0	7.3
Farm Wages	0.468	0.459	0.451	0.483	0.527	0.552	0.571	0.592
% Ch	18.6	-1.9	-1.8	7.1	9.1	4.9	3.4	3.6
Military Wages	1.459	1.562	1.665	1.638	1.654	1.708	1.744	1.798
% Ch	5.6	7.1	6.6	-1.6	1.0	3.3	2.1	3.1
Nonwage Personal Income	40.282	43.246	46.768	50.206	52.757	56.213	59.051	62.311
% Ch	9.0	7.4	8.1	7.4	5.1	6.6	5.0	5.5
Other Labor Income	4.779	5.389	6.085	6.550	7.049	7.605	8.077	8.745
% Ch	13.2	12.8	12.9	7.6	7.6	7.9	6.2	8.3
Proprietor's Income % Ch Farm % Ch Nonfarm % Ch	8.799	9.337	10.489	11.442	11.803	12.248	12.682	13.275
	2.0	6.1	12.3	9.1	3.2	3.8	3.5	4.7
	0.838	0.890	1.072	1.299	0.876	0.846	0.943	0.951
	-4.0	6.2	20.4	21.3	-32.6	-3.5	11.5	0.9
	7.961	8.447	9.418	10.143	10.927	11.403	11.739	12.324
	2.7	6.1	11.5	7.7	7.7	4.4	3.0	5.0
Less: Pers. Cont. for Social Ins. % Ch	4.348	4.605	4.949	5.152	5.532	5.872	6.202	6.591
	10.3	5.9	7.5	4.1	7.4	6.2	5.6	6.3
Plus: Residence Adjustment	0.905	0.982	1.062	1.140	1.244	1.356	1.430	1.509
% Ch	10.5	8.5	8.1	7.4	9.1	9.0	5.4	5.5
Dividends/Int./Rent	16.268	16.520	16.954	17.757	18.766	20.426	21.452	22.621
% Ch	10.6	1.5	2.6	4.7	5.7	8.9	5.0	5.4
Transfer Payments % Ch State U.I. Benefits % Ch Other Transfers % Ch	13.881	15.623	17.129	18.471	19.428	20.449	21.613	22.751
	10.7	12.6	9.6	7.8	5.2	5.3	5.7	5.3
	0.462	0.654	0.902	1.088	1.007	0.835	0.937	0.973
	21.2	41.5	37.8	20.6	-7.4	-17.0	12.2	3.8
	13.418	14.969	16.227	17.383	18.421	19.613	20.675	21.778
	10.4	11.6	8.4	7.1	6.0	6.5	5.4	5.3

TABLE 3.4

Washington Personal Income by Component
Forecast 1995 to 1997

	1992:1	1992:2	1992:3	1992:4	1993:1	1993:2	1993:3	1993:4
Personal Income	106.294	107.847	110.079	114.589	111.944	114.581	115.396	117.448
% Ch	9.1	6.0	8.5	17.4	-8.9	9.8	2.9	7.3
Total Wage and Salary Disbursements % Ch	60.959	61.594	63.122	66.061	62.846	65.000	65.114	65.584
	9.9	4.2	10.3	20.0	-18.1	14.4	0.7	2.9
Manufacturing % Ch Nondurable Manufacturing % Ch Durable Manufacturing % Ch	11.896	11.995	12.248	13.301	11.552	12.263	12.277	12.204
	-3.7	3.4	8.7	39.1	-43.1	27.0	0.5	-2.4
	2.865	2.912	2.975	3.094	2.957	3.169	3.128	3.208
	-1.9	6.7	8.9	17.0	-16.6	31.9	-5.1	10.6
	9.031	9.083	9.273	10.207	8.595	9.094	9.149	8.996
	-4.3	2.3	8.6	46.8	-49.7	25.3	2.4	-6.5
Nonmanufacturing	46.214	46.816	48.072	50.116	48.615	49.947	50.107	50.588
% Ch	12.1	5.3	11.2	18.1	-11.5	11.4	1.3	3.9
Other Private Wages	0.686	0.649	0.657	0.623	0.575	0.637	0.611	0.685
% Ch	67.5	-19.9	5.0	-19.1	-27.4	50.6	-15.4	58.0
Farm Wages	0.450	0.448	0.449	0.456	0.468	0.480	0.486	0.497
% Ch	7.4	-1.8	0.9	6.4	10.9	10.7	5.1	9.4
Military Wages	1.713	1.686	1.696	1.565	1.636	1.673	1.633	1.610
% Ch	44.3	-6.2	2.4	-27.5	19.4	9.4	-9.2	-5.5
Nonwage Personal Income	45.335	46.253	46.957	48.528	49.098	49.581	50.282	51.864
% Ch	8.0	8.3	6.2	14.1	4.8	4.0	5.8	13.2
Other Labor Income	5.857	5.977	6.167	6.338	6.349	6.479	6.608	6.762
% Ch	13.9	8.5	13.3	11.6	0.7	8.4	8.2	9.7
Proprietor's Income % Ch Farm % Ch Nonfarm % Ch	10.151	10.315	10.365	11.125	11.024	11.177	11.214	12.352
	7.9	6.6	2.0	32.7	-3.6	5.7	1.3	47.2
	1.061	1.040	0.925	1.260	1.115	1.205	1.062	1.815
	-27.0	-7.7	-37.4	244.3	-38.7	36.4	-39.7	753.1
	9.090	9.275	9.440	9.865	9.909	9.972	10.152	10.537
	13.2	8.4	7.3	19.3	1.8	2.6	7.4	16.1
Less: Pers. Cont. for Social Ins. % Ch	4.845	4.881	4.991	5.080	5.028	5.168	5.180	5.233
	12.4	3.0	9.3	7.3	-4.0	11.6	0.9	4.2
Plus: Residence Adjustment	1.031	1.057	1.074	1.084	1.105	1.128	1.151	1.176
% Ch	14.8	10.5	6.6	3.8	8.0	8.6	8.4	9.0
Dividends/Int./Rent	16.543	16.844	17.082	17.345	17.703	17.650	17.842	17.832
% Ch	3.1	7.5	5.8	6.3	8.5	-1.2	4.4	-0.2
Transfer Payments % Ch State U.I. Benefits % Ch Other Transfers % Ch	16.598	16.941	17.260	17.716	17.945	18.315	18.647	18.975
	12.0	8.5	7.7	11.0	5.3	8.5	7.5	7.2
	0.785	0.863	0.926	1.033	0.899	1.024	1.158	1.269
	61.8	46.1	32.6	54.9	-42.6	68.3	63.5	44.2
	15.813	16.078	16.334	16.683	17.046	17.291	17.489	17.706
	10.0	6.9	6.5	8.8	9.0	5.9	4.7	5.1

TABLE 3.4

Washington Personal Income by Component
Forecast 1995 to 1997

	1994:1	1994:2	1994:3	1994:4	1995:1	1995:2	1995:3	1995:4
Personal Income	117.231	119.932	120.839	123.775	124.804	126.921	128.880	129.965
% Ch	-0.7	9.5	3.1	10.1	3.4	7.0	6.3	3.4
Total Wage and Salary Disbursements % Ch	66.023	67.642	67.693	69.392	69.785	71.091	72.180	72.662
	2.7	10.2	0.3	10.4	2.3	7.7	6.3	2.7
Manufacturing % Ch Nondurable Manufacturing % Ch Durable Manufacturing % Ch	12.083	12.446	12.089	12.653	12.833	12.744	12.652	12.180
	-3.9	12.6	-11.0	20.0	5.8	-2.7	-2.9	-14.1
	3.203	3.263	3.319	3.432	3.419	3.426	3.435	3.482
	-0.6	7.7	7.0	14.3	-1.5	0.8	1.1	5.5
	8.880	9.183	8.770	9.221	9.414	9.318	9.216	8.699
	-5.1	14.4	-16.8	22.2	8.6	-4.0	-4.3	-20.6
Nonmanufacturing	51.125	52.411	52.761	53.840	54.037	55.407	56.570	57.506
% Ch	4.3	10.4	2.7	8.4	1.5	10.5	8.7	6.8
Other Private Wages	0.649	0.626	0.651	0.693	0.648	0.686	0.701	0.713
% Ch	-19.4	-13.4	17.0	28.4	-23.6	25.6	8.8	7.3
Farm Wages	0.516	0.525	0.530	0.536	0.544	0.551	0.555	0.560
% Ch	16.2	7.2	3.9	4.6	6.1	5.2	3.2	3.0
Military Wages	1.650	1.634	1.662	1.670	1.723	1.703	1.703	1.703
% Ch	10.3	-3.8	7.0	1.9	13.3	-4.6	0.0	0.0
Nonwage Personal Income	51.208	52.290	53.146	54.383	55.019	55.830	56.700	57.304
% Ch	-5.0	8.7	6.7	9.6	4.8	6.0	6.4	4.3
Other Labor Income	6.816	7.044	7.078	7.256	7.403	7.557	7.643	7.819
% Ch	3.2	14.1	1.9	10.4	8.4	8.6	4.6	9.5
Proprietor's Income % Ch Farm % Ch Nonfarm % Ch	11.556	11.719	11.699	12.237	12.035	12.071	12.383	12.505
	-23.4	5.8	-0.7	19.7	-6.4	1.2	10.7	4.0
	0.861	0.847	0.695	1.102	0.803	0.787	0.827	0.966
	-94.9	-6.3	-54.7	532.1	-71.8	-7.7	21.7	86.7
	10.695	10.872	11.004	11.135	11.232	11.284	11.556	11.539
	6.1	6.8	4.9	4.8	3.5	1.9	10.0	-0.6
Less: Pers. Cont. for Social Ins. % Ch	5.382	5.527	5.549	5.669	5.764	5.838	5.912	5.974
	11.9	11.2	1.6	8.9	6.9	5.2	5.2	4.3
Plus: Residence Adjustment % Ch	1.207	1.221	1.254	1.294	1.329	1.349	1.365	1.382
	11.0	4.7	11.3	13.4	11.3	6.2	4.9	4.9
Dividends/Int./Rent	17.861	18.457	19.078	19.666	20.035	20.353	20.562	20.756
% Ch	0.7	14.0	14.2	12.9	7.7	6.5	4.2	3.8
Transfer Payments % Ch State U.I. Benefits % Ch Other Transfers % Ch	19.150	19.376	19.586	19.599	19.981	20.338	20.660	20.816
	3.7	4.8	4.4	0.3	8.0	7.3	6.5	3.1
	1.103	1.058	1.032	0.833	0.733	0.826	0.883	0.900
	-42.9	-15.3	-9.5	-57.6	-40.0	61.3	30.3	8.3
	18.047	18.318	18.554	18.766	19.248	19.512	19.777	19.915
	7.9	6.1	5.3	4.6	10.7	5.6	5.5	2.8

TABLE 3.4

Washington Personal Income by Component
Forecast 1995 to 1997

	1996:1	1996:2	1996:3	1996:4	1997:1	1997:2	1997:3	1997:4
Personal Income	132.232	133.828	135.542	137.375	139.560	141.445	143.325	145.312
% Ch	7.2	4.9	5.2	5.5	6.5	5.5	5.4	5.7
Total Wage and Salary Disbursements % Ch	74.293	75.165	76.148	77.166	78.339	79.539	80.681	81.842
	9.3	4.8	5.3	5.5	6.2	6.3	5.9	5.9
Manufacturing % Ch Nondurable Manufacturing % Ch Durable Manufacturing % Ch	12.911	13.015	13.134	13.263	13.424	13.596	13.763	13.937
	26.3	3.2	3.7	4.0	4.9	5.2	5.0	5.2
	3.527	3.571	3.616	3.663	3.714	3.765	3.813	3.863
	5.3	5.1	5.2	5.3	5.7	5.6	5.2	5.4
	9.385	9.444	9.518	9.600	9.710	9.831	9.950	10.074
	35.5	2.6	3.2	3.5	4.6	5.1	5.0	5.1
Nonmanufacturing	58.349	59.102	59.950	60.820	61.757	62.767	63.722	64.690
% Ch	6.0	5.3	5.9	5.9	6.3	6.7	6.2	6.2
Other Private Wages	0.725	0.735	0.747	0.760	0.776	0.789	0.803	0.817
% Ch	6.7	6.1	6.6	7.1	8.6	7.0	6.9	7.2
Farm Wages	0.564	0.569	0.574	0.579	0.584	0.589	0.594	0.600
% Ch	3.3	3.5	3.5	3.5	3.8	3.6	3.5	3.6
Military Wages	1.744	1.744	1.744	1.744	1.798	1.798	1.798	1.798
% Ch	10.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0
Nonwage Personal Income	57.939	58.663	59.393	60.209	61.221	61.906	62.644	63.471
% Ch	4.5	5.1	5.1	5.6	6.9	4.5	4.9	5.4
Other Labor Income	7.859	7.996	8.149	8.302	8.476	8.655	8.833	9.017
% Ch	2.0	7.2	7.9	7.7	8.6	8.7	8.5	8.6
Proprietor's Income	12.518	12.634	12.673	12.902	13.039	13.193	13.307	13.559
% Ch	0.4	3.8	1.2	7.4	4.3	4.8	3.5	7.8
Farm	0.972	0.962	0.867	0.968	0.966	0.966	0.897	0.975
% Ch	2.6	-4.1	-34.0	55.4	-0.8	-0.3	-25.6	39.8
Nonfarm	11.546	11.672	11.805	11.934	12.073	12.228	12.410	12.584
% Ch	0.2	4.5	4.6	4.4	4.8	5.2	6.1	5.7
Less: Pers. Cont. for Social Ins.	6.093	6.161	6.241	6.312	6.445	6.543	6.636	6.739
% Ch	8.2	4.6	5.3	4.6	8.7	6.2	5.8	6.3
Plus: Residence Adjustment	1.400	1.420	1.440	1.459	1.479	1.499	1.519	1.539
% Ch	5.5	5.9	5.7	5.5	5.5	5.6	5.5	5.5
Dividends/Int./Rent	21.025	21.273	21.605	21.904	22.257	22.461	22.745	23.020
% Ch	5.3	4.8	6.4	5.6	6.6	3.7	5.2	4.9
Transfer Payments % Ch State U.I. Benefits % Ch Other Transfers % Ch	21.230	21.500	21.768	21.954	22.414	22.640	22.876	23.074
	8.2	5.2	5.1	3.5	8.7	4.1	4.2	3.5
	0.918	0.937	0.944	0.951	0.959	0.968	0.978	0.987
	8.1	8.6	2.7	3.0	3.4	3.9	4.0	4.1
	20.312	20.562	20.824	21.003	21.456	21.672	21.899	22.087
	8.2	5.0	5.2	3.5	8.9	4.1	4.3	3.5

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